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FIFTH SUPPLEMENT
1939 to 1947 (inclusive)

TO

THE LENG CATALOGUE

OF

COLEOPTERA

OF

AMERICA, NORTH OF MEXICO

By

RICHARD E. AND RUTH M. BLACKWELDER

MOUNT VERNON, N. Y.
JOHN D. SHERMAN, JR.
OCTOBER
1948

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U. S. National Museum

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JOHN D. SHERMAN, JR.

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INTRODUCTION

This fifth supplement to the Leng Catalog of North American Coleoptera is offered by the compilers and by the publisher in lieu of the much desired new catalog. Many difficulties have continued to make it impossible to prepare a new edition of the catalog, and it is hoped that another supplement will be of some help in bringing the old catalog up to date.

The form of the fifth supplement is the same as that of the fourth. The remarks in the Introduction to the Fourth Supplement apply equally here. A list of signs and abbreviations appears on page 6 of the Fourth Supplement.

Grateful acknowledgment is made to more than 150 coleopterists who have checked preliminary lists of their publications and to the many who have sent in corrections and manuscript notes for inclusion in the text.

SIGNS AND ABBREVIATIONS

* indicates a revision of the genus (or other group).
*** indicates the end of a revision or of a subgenus.
[before locality indicates that it applies to line above.
|| indicates a preoccupied name.
a. aberration.
f. form.
r. race.
s. subspecies.
v. variety.

FIFTH SUPPLEMENT TO THE CATALOGUE OF COLEOPTERA OF AMERICA, NORTH OF MEXICO

ADDITIONS AND CORRECTIONS TO DECEMBER 31, 1947

CICINDELIDÆ

Amblycheila
schwarzi W.Horn 03–196 Cal. [1]

Omus
subcylindricus Nunen. 40–143 Cal.
vanlooi Nunen. 40–144 Cal.

Cicindela
formosa Say
v.manitoba Leng Sask.[2]
gibsoni Brown 40–182 [3]
tranquebarica Hbst.
s.propinqua Knaus 22–194 [4] Nev. Cal.
s.inyo Fall 17–106 [5] Cal.
s.owena Fall 17–106 [5] Cal.
oregona Lec.
s.navajoensis VanD. 47–155 Ariz.
willistoni Lec.
s.amargosæ Dahl 39–221 Nev.[6] Cal.
abdominalis Fab.
v.floridana Cartw. 39–364 Fla.
nevadica Lec.
s.tubensis Cazier 39–23 N.M.[7] Ariz.
alleni Cazier 39–24 Tex.
theatina Rotger 44–76 Colo.

CARABIDÆ

Scaphinotus
STENOCANTHARIS Gistel 57–[92 [8]
angusticollis (Mannh.) 24–46 w.N.A.
s.olympiæ VanD. 44–5 Wash.

[1] Cazier—39.
[2] Brown—40.
[3] Dahl—42.
[4] Previously listed as var. of denverensis; Cazier—39.
[5] Previously listed as var. of vibex; Cazier—39.
[6] Dahl—40.

s.nigripennis Roesch. 07–165 [8] Ore.
s.longipes Csy. 97–339 [8] Cal.
s.velutinus Mén. 44–53 [8] Cal.
BRENNUS Mots. 65–311 [8]
johnsoni VanD. 24–3 [8] Wash.
NEOCYCHRUS Rœschke 07–[117 [9]
angulatus (Harris) 39–200 [8] Ore. Wash.
s.maritimus VanD. 24–506 [8] Wash.
behrensi Rœsch. 07–124 [8] Cal.
s.malkini VanD. 44–13 Ore.
longiceps VanD. 24–5 [8] Cal.

Carabus [9]
TITANOCARABUS Breun. 33–
truncaticollis Esch. 33–22 [729 [8]
lutshnikianus Basil. 37–63 [8]
alaskensis Basil. 37–63 [8]
ARCHICARABUS Seidl. 87–6 [8]
tædatus Fab. 87–196 [10]
gladiator Mots. 65–285 [8]
canadicus Roeschke 00–68 [8]
canadensis Lapouge 08–19 [8]
bicanaliceps Csy. 20–154 [8]
s.tædatus (s.str.) Alas.
baccivorus Fisch. 20–87 [8]
seriatus Wied. 21–109 [8]
s. vancouvericus Csiki 27–286 [11] Wash.
bicolor Walk. 66–313 [8] [11] [Alas.
s.rainieri VanD. 44–108 Wash.
s.franciscanus Csy. 13–58 Cal.
s.oregonensis Lec. 54–16 B.C.–Ariz.
montanicus Csy. 13–58 [8]
stocktoniensis VanD. 44–111
stocktonensis Csy. 20–155 [8]
s.agassii Lec. 50–209 Alb.–Mont.
agassizi VanD. 44–112

[7] Rotger—44.
[8] Van Dyke—44.
[9] Key to species, Van Dyke—44.
[10] Key to subspecies, Van Dyke—44.
[11] Placed as synonym of tædatus by Pratt—40.

s.patulicollis Csy. 13–57 Colo.
coloradensis Breun. 33–719 [8]
TANAOCARABUS Rtt. 96–135 [8]
sylvosus Say 25–75
s.sylvosus (s.str.) Mass.–Ala.–Mo.
s.lherminieri Dej. 26–151 N.A.
s.finitimus Hald. 52–373 Okla. Tex.
lecontei Csy. 13–57 [8]
caseyi Ang. 14–75 [8]
forreri Bates 82–320 Ariz. Mex.
townsendi Csy. 05–160 [8]
HEMICARABUS Geh. 85–xix [8]
serratus Say 25–77 Nfld.–Ga.–Man.–N.M.
s.serratus (s.str.)
lineatopunctatus Dej. 26–77 [8]
ligatus Kby. 37–18 (not Germ.)[8]
canadensis Lec. 53–10 [8]
s.tatumi Mots. 65–293 Newf.–Me.–B.C.
s.vegasensis Csy. 13–59 N.M.
vagasensis VanD. 44–122
LICHNOCARABUS Rtt. 96–161[8]
limbatus Say 25–71
goryi Dej. 31–544 [8]
vinctus Weber 01–42
s.vinctus (s.str.) Can.–Ga.
ligatus Germ. 24–6 [8]
interruptus Say 25–76 [8]
carinatus Dej. 26–79 [8]
s.georgiæ Csiki 27–185 Ga.–Fla.
CARABUS (s.str.)[8]
granulatus L. 58–413 N.S.–Mass.–B.C. [Eur.

Calosoma
(*Callisthenes* auct., not Fisch.)[12]
lariversi VanD. 43–17 Nev.
zimmermanni Lec. 49–445
zimmermani VanD. 43–19
s.tahoensis VanD. 43–18 Cal.

Elaphrus
torreyensis Tanner 41–137 Utah

Blethisa
catenaria Brown 44–4 Man.

Nebria
coloradensis VanD. 43–19 Colo.
zioni VanD. 43–20 Utah
* NEONEBRIA Hatch 39–46 [13]
(*Nebria* of Ganglb., not Latr.)[13]
hudsonica Lec. 63–3 Sask.–N.M.–Wash.–[Y.T.
vandykei Bänn. 28–5 Ore.
trifaria VanD. in part [13]
gebleri Dej. 31–573 Alb. Mont. Ida. Ore.
meanyi VanD. 25–118 Wash.
metallica Fisch. 21–71 Alas.–Wash.–Mont.
schwarzi VanD. 25–116 Alb.
piperi VanD. 25–117 B.C. Wash.
purpurata Lec. 78–477 Mont. Ida.
labradorica Csy. 20–151 Alb. Mont. B.C.
crassicornis VanD. 25–121 Wash.
bifaria Mannh. 53–128 Alas.–Mack. Sib.
viridis Horn 70–101 Alas.[13] Wash.[13] Y.T.[13]
v.parvula Sahlb. 87–47[13] Ore. Alas. Sib.
v.reducta Csy. 20–150 [13] Alas.
virescens Horn 70–100 Ore. Ida. Cal.
brevis Csy. 13–55 [13]
sahlbergi Fisch. 21–254 Colo. L.Sup.
gregaria Fisch. 21–72 Alas.
aleuta VanD. 24–5 Alas.
mannerheimi Fisch. 21–253 Ore.
eschscholtzi Mén. 44–55 Cal.–B.C.
tenuipes Csy. 13–51 [13]
transversa Csy. 20–152 [13]
hippisleyi Csy. 24–21 [13]
formalis Csy. 20–153 [13]
diversa Lec. 63–2 Cal. B.C.
obtusa Lec. 78–478 Wash. Alb. Mont.
NEBRIOLA Dan.[13] [Colo.
kincaidi Schw. 00–525 Alas.–Ore.
paradisi Darl. 31–24 B.C.–Ore.
columbiana VanD. 26–9 [13]

Dyschirius
arizonicus VanD. 43–22 Ariz.

Bembidion
roosevelti Pic 02–71 Cal.
blaisdelli Csy. 18–222 [14]
concinnum Blais. 02–78 [14]
perconcinnum Blais. 04–349 [14]
nebraskense Lec. 63–19 [13]

Tachyura
barnesi Stehr 46–284 Ohio

Stomis Schell. 06-46
pumicatus (Panz.) 95–60 Que.[15]

Trechus
humboldti VanD. 45–101 Cal.

Feronia Latr. 17–191 [18]
Pterostichus Bon. 09–? [16] [18]
Pterosticus Lins. & Mich. 43–75
* FERONINA Csy. 18–365 [17]
humidula VanD. 43–23 Wash. Ore.
* *pacifica* VanD. 26–114
(not Poppius, 1906)
lanei VanD. 25–76 Wash. Ida.
palmi Schffr. 10–393 N.C.
CRYOBIUS Chaud. 38–11 [16]
blaisdelli VanD. 43–24 Alas.
* * *
ater Lec.[19] Cal.

Evarthrus Lec. 52–225 [20]
* ANAFERONIA Csy. 18–341 [20]
constrictus (Say) 23–147 Kan. Ark.
v.ovipennis Lec. 48–345 [20] N.M. Mex.
[CYCLOTRACHELUS Chaud. [38–27] [20]
[batesellus Csiki 30–671 C.A.]
[*constrictus* Bates 82–80] [20]
EUMOLOPS Csy. 18–350 [20]
heros (Say) 23–145 Ark. Tex.
gigas Csy. 18–350 [20]

[8] Van Dyke—44.
[12] All American species transferred to Calosoma, by Van Dyke—43.
[13] Hatch—39.
[14] Csiki—28.
[15] Darlington—40.
[16] Van Dyke—43.
[17] Revision of subgenus, Van Dyke—43.
[18] Should be replaced by Platysma Sam. 19–151, Hatch—39.
[19] Linsley & Michener, 43; apparently refers to Holciophorus ater Dej.
[20] Revision of genus, Van Dyke—43.

FERESTRIA Leng 15–576 [20]
taurus VanD. 43–25 Fla.
hernandensis VanD. 43–26 Fla.

Loxandrus
duryi Wright 39–257 Ohio

Amara
AMARA s.str.
familiaris Duft. 12–119
familiata Malkin 41–284
ACRODON Zimm. 32–40
exlineæ Minsk & Hatch 39–215 Wash.
PSEUDOTRIÆNA Minsk. & [Hatch 39–216
glabrata M. & H. 39–217 Wash.
alaxnoquia M. & H. 39–217 Wash.
atrichata M. & H. 39–217 Utah
ZEZEA Csiki 29–104
kincaidi M. & H. 39–217 Wash.

Rhadine
ozarkensis Sandn. & Mill. 41–39 Ark.

AGONINI [20a]

Agonum
PSEUDANCHUS Csy.
bjorkmanæ Gray & Hatch 41–16 Wash.
PUNCTAGONUM Gray 37–311
belleri Hatch 33–120
EUROPHILUS Chaud.
lanellum Gray 37–310 Wash.
RHADINE Lec.
lanei Gray 37–310 Wash.
balesi Gray 37–310 Wash.

* * *

Zuphium
americanum Dej. 31–298 Mich. Kan. La. [Ore.[21]

Zacotus
fredericki Nunen. 44–12 Ore.

Stenomorphus
rossi VanD. 43–29 Ariz.

Acupalpus
meridianus L. Eur. Wash.[22]

Pseudomorpha
parallela VanD. 43–30 Cal.

OMOPHRONIDÆ

Omophron Latr. 04–278
(*Homophron* Fisch. 28–256)[23]
tanneri (Chandl.) 41–100 Utah
s.proximum (Chandl.) 41–102 Utah

HALIPLIDÆ [24]

Apteraliplus Chandl. 43–154
parvulus Rbts. 13–94 [25] Cal.

Haliplus
concolor Lec. (not concolo)[26]
falli Mank 40–57 Man.
HALIPLUS s str.
wallisi Hatch 44–45 Wash.

DYTISCIDÆ

Canthydrus
bicolor (Say) 31–5 (not 34–446)[20]

Laccophilus
decipiens
truncatus Mannh. 53–160 (not 53–[68)[26]
horni Vd.Br. 85–21 (not 84–21)[26]
biguttatus Kby. 37–69
inconspicuus Fall 17–164 [27]
shermani Leech 44–4 Ariz. Tex.

Bidessus
4-pustulatus Fall 17–166 (not 17–167)[26]
rogersi Young 41–29 Fla.
falli Young 40–30 Fla.

Bidessonotus Reg. 95–331 [28]
* longovalis (Blatch.) 19–310 [29] Fla.
inconspicuus (Lec.) 55–294 [29] La. Fla.
pulicarius (Aube) 38–494 [29] Ind. Fla
subsericeus (Blatch.) 19–311 [29]

Hygrotus
CŒLAMBUS Thoms. 60–13 [27]
masculinus Cr. B.C.[30]
impressopunctatus (Sch.)
v lineellus (Gyll.) 08–529 (not Gellerman
medialis (Lec.) [28–64)[26]
infacetus Clark 62–180 [27]
sayi B-B. 44–347
punctatus Say 24–271 [27]

* * *

fraternus Lec. 52–209 L.Cal.[31]

Deronectes
pulcher (Mots.) 59–163 (not 59–363)[26]
spenceri Leech 45–105 B.C.
titulus Leech 45–106 Tex.
grammicus Shp. 87–754 Mex. N.M.[32]
dolerosus Leech 45–109 Cal.
addenda Cr. 73–393 L.Cal.[31]
funerea Cr. 73–392 L.Cal.[31]

Hydroporus
rossi Leech 41–129 Cal.
bidessoides Leech 41–130 Cal.
transpunctatus Chandl. 41–103 Utah
floridanus Young 40–198 Fla.
HYDROPORUS s.str.
mannerheimi B-B. 44–349
humeralis Aubé 38–578 [27]
superioris B-B. 44–349
sericeus Lec. 50–214 [27]
OREODYTES Seidl. 87–57
productotruncatus Hatch 44–46 B.C.

[20a] Key to Washington genera and subgenera, Gray—37 and Gray & Hatch—41.
[21] Malkin—43.
[22] Hatch—46.
[23] Used by Chandler—41.
[24] Key to genera, Chandler—43.
[25] Transferred from Brychius, Chandler—43.
[26] Leech in litt.
[27] Balfour-Browne—44.
[28] Revision, Balfour-Browne—47.
[29] Transferred from Bidessus, Balfour-Browne —47.
[30] Lac la Hache, British Columbia; Leech in litt.
[31] Leech—44.
[32] Leech—45.

AGABINI [33]

Agabus [34]
ERIGLENUS Thoms. 60–55
(*Apator* Sem. 99–512)[37]
* * *
erichsoni G. & H. Mont.[32]
confertus Mank 34–75 [32]
confertus Lec. Ida.[32]
nectris Leech 42–133 Alb. Mont.B.C.
obliteratus Hatch 33–10 (part)[32]
strigulosus (Cr.) Mont.[32]
obliteratus Hatch 33–10 (part)[32]
hoppingi Leech 42–135 Cal.
obliteratus Lec.[35] Colo. Utah. Nev. Cal.
regularis Lec. 52–203 L.Cal.[31]
bjorkmanæ Hatch 39–104 Alb.–B.C.–Ore.
rectus Lec. 69–375 [36]
cordatus Lec. N.M.–Ariz.–Mont.–Wash.[36]
seriatus Say 23–97
striatus Aubé 38–305 [37]
arctus Melsh. 44–27 [37]
parallelus Lec. 50–213 [37]
s.seriatus s.str.
s.intersectus Cr. 73–419 [37]
lutosus Lec. 53–31 (not Crotch, 1873)[37]
discolor Lec. 52–204 [37]
(not Harris, 1828)
lecontei Cr. 73–417 [37]
s.lutosus s.str.[37] Cal.–B.C.–Nev.
s.mimus Leech 42–132 Wash. B.C.
pandurus Leech 42–128 Cal.
brevicollis Shp. 82–503
(not Leconte, 1857)
vandykei Leech 42–129 Cal.
æruginosus Aubé 38–298
dispositus Guignot 36–186 [38]
elongatus Gyll. 27–381 Yukon
bryanti Carr 30–278 [39]
antennatus Leech 39–217
clavatus Lec. 59–4 [39]
(not Latreille, 1804)
mœstus Curt. 35–lx
nigripalpis Sahlb. 80–56 [39]
borealis Shp. 82–513 [39]
erichsoni G. & H. 68–454
nigro-æneus Er. 37–157 [39]
(not Marsham 02–428)
velox Leech 39–219 Man.
clavicornis Shp. 82–536
verus Brown 31–115 [26a]

Gaurodytes [40]

Laccornis des Gozis 14–111 [41]
* (*Agaporus* Zimm. 19–147)[42]
pacificus (Leech) 40–123 B.C.
conoideus (Lec.) 50–216 [43] Mass.–Wis. Can.
latens (Fall) 37–10 Mass.N.Y. N.H. Que.
difformis (Lec.) 55–298 [43] Mass.–Ga.–Ind.
deltoides (Fall) 23–123 Ill.

Hybiosoma [43a]
regularis (Lec.)
oblongum (Mots.) 59–169 (not 59–[369)[26]

Hybius Er. 32–34 [44]
churchillensis Wallis 39–195 Man.
[ater Degeer not N.A.] [44]

Copelatus
chevrolati Aubé 38–389 L.Cal.[31]

Matus [45]
ovatus Leech 41–79 Mass.–Md.–Ill.–Ont.
s.blatchleyi Leech 41–82 Fla. Ga. Ala.

Neoscutopterus B-B. 43–172
* angustus (Lec.)[46]
horni (Cr.).[46]

Dytiscus
ooligbucki Kby. 37–74
alaskanus B-B. 44–356 [26a]
parvulus Mots. 52–77 [26a] [27]

Hydaticus
bimarginatus Say 31–5 L.Cal.[31]

Thermonectus Dej. 33–53
Thermonectus Dej. 36–61 [47]
Thermonectus Melsh. 44–26
Thermonectes Cr. 73–402
basillaris Harris 29–1 (not basilaris 29–8)[31]

Graphoderus Dej. 33–54 [48] [49]
fasciatocollis Harris 28–156 [50]
cinereus of authors (not L.)[50]
perplexus Shp. 82–695 [50]
elatus Shp. [50]
cinereus Horn (not L.) [50]
zonatus of authors (not Hoppe)[50]
cinereus (L.)
?fascicollis (Harris) 28–156 [51]
?fasciatocollis of authors [51]

GYRINIDÆ

Enhydrinæ [54]

DINEUTINI [54]

Dineutus MacLeay 25–30
(*Dineutes* of authors)[42] [52]
solitarius Aubé 38–780 Cal.[42] C.A.[53]

[26] Leech in litt.
[26a] J. Balfour-Browne—47.
[27] Balfour-Browne—44.
[31] Leech—44.
[32] Leech—45.
[33] Key to genera, Leech—42.
[34] Classification of subgenera, Guignot—36.
[35] Restricted by Leech—42.
[36] Hatch—39.
[37] Leech—42.
[38] Guignot in litt., Leech—42.
[39] Leech—39.
[40] Revision of palearctic subgenera and species, Zimmermann—34.
[41] Key to species, Leech—40.
[42] Leech—40.
[43] Transferred from Hydroporus, Leech—40.
[43a] Treated as subgenus of Agabus by Guignot —36.
[44] Key to species, Wallis—39.
[45] Key to species, Leech—41.
[46] Transferred from Scutopterus, Balfour-Browne —43.
[47] Considered the proper form by Leech—41.
[48] Credited to Aubé 38–156 by Wallis—39.
[49] Key to species, Wallis—39.
[50] Wallis—39.
[51] Leech in litt.
[52] This spelling used by Balfour-Browne—45.
[53] Blackwelder—44.
[54] Generic revision, Balfour-Browne—45.

americanus Say 23–107 (not 26–107) [51]
emarginatus Say 23–108 (not 26–108)[51]
s.floridensis Ochs 29–125 Fla.
s.mutchleri Ochs 24–3 Bahamas
CYCLINUS Kby. 37–78 [54]
americanus (L.) 88–?
assimilis (Kby.) 37–78 [54]

Gyrininæ [54]

Gyrinus
GYRINULUS Zaitzev 07–238 [54]
minutus F.
OREOGYRINUS Ochs 35–124 [54]
parcus Say
* * *
limbatus Say 23–109 (not 25–109)[51]
plicifer Lec.
?lateralis Aubé 38–673 (not 38–773)[51]
analis Say 23–108 (not 25–108)[51]
opacus
v.blairi Omer-Cooper (not Omar [Cooper)[51]
pectoralis Lec. 68–370 B.C.[55]
floridensis Ochs 29–123 [51] Fla.

Orectochilinæ [54]

Gyretes
iricolor Young 47–31 Fla.

HYDROPHILIDÆ

Ochthebius
insulanus Brown 31–116 Vanc.I. B.C.[51]
interruptus Lec. 52–210 (not 51–21)[51] [L. Cal.[51]

Hydraena
needhami (d' Orch.) 29–79 [56] N.Y.

Helophorus
inquinatus Mannh. 52–343 (not 52–243)[51]
lecontei Knisch 24–88 Cal. L.Cal.[57]
obscurus Lec. 51–210 [57]
needhami d'Orch.[58]

Epimetopus
thermarum S. & B. 18–130 (not 17–130)[51]

Hydroehus Leach 17–90 (not 17–190) [51]

Hemiosus
exilis Lec.[59]

Berosus [60]
exilis Lec.[61]
mœrens Shp. Tex.[62]

Hydrophilus
castus Say 31–170 (not 35–170) [51]

Tropisternus
PRISTOTERNUS d'Orch. 36–311
(*Cyphostethus* d'Orch. 19–160)[63]
quadristriatus (Lec.) 71–331 [65] [66] N.A.
glaber Dej.[64]
sublævis (Lec.) 55–368 Mass.
xanthopus Shp. 82–59 [64]
glaber (Hbst.) 97–298 Ill.Can.
sublævis d'Orch 22–15 [64]
natator d'Orch. 38–436 (N.A.)
glaber (Lec.) (not Hbst.)[64]
glaber (Shp.) (not Hbst.)[64]
modestus d'Orch. 38–437 N.Y. N J. Tex.
salsamentus Fall 01–214 Cal.
californicus Mots. 59–175 [67] [68]
(not Leconte, 1855)
orvus Leech 45–183 Nev.Cal.Ore.
californicus (Lec.) 55–367 Cal.–B.C.
caligans d'Orch. 41–3 [68]
columbianus Brown 31–117 [69]
californicus d'Orch. 41–2 [68]

Crenitis
maculifrons Brown 40–183 B.C.

Enochrus [60]
consortus Green 46–61 Mass.–N.J.–Ill.–[Minn.

Chætarthria Steph. 33–22 (not 32–401) [57]

Phænonotum
exstriatus Say 35–171 Md.–Fla.–Ind.–Tex.
estriatum Lec. 53–36 [57]

Sphæridium Fab.
* SPHÆRIDIUM s.str.
lunatum F. N.Y.–Colo.–B.C.[70]
scarabæoides L. 58–356 N.H.–Ariz.–Cal.–[B.C.[70]
SPHÆRIDIOLINUS Menozzi [21–53 [70]
bipustulatum Fab. 81–78 Eur. N.Y.–[Wash.[70]
a.quadrimaculatum Marsh. 02–66 [Mich. Wash.[70]
a.humerale Westh. Mich.[70]
a.marginatum Fab. Mich.[70]

Cercyon
terminatum Marsh.
2884 = (not 2484 =)[51]
falli Winters 44–95 N.J.–B.C.
analis of Fall [69a]
analis (Payk.) N.J.[69a] Eur.

Megasternum
boletophagum Marsh. 02–72 Wash.[70] Eur.
pugetense Hatch 46–79 Wash.

SILPHIDÆ

Nicrophorini

Nicrophorus
NECROPTER Sem.

[55] Leech—42.
[56] Transferred from Helophorus, Leech in litt.
[57] Leech—44.
[58] In error, see Hydræna; Leech in litt.
[59] Belongs in Berosus, Leech—43.
[60] Synonymy in 4th suppl. from d'Orch.—33 (not —34), Leech in litt.
[61] Transferred in error to Hemiosus, Leech—43.
[62] Leech—43.
[63] d'Orchymont—36.
[64] d'Orchymont—38.
[65] Error for Horn 71—331.
[66] Listed as distinct by d'Orchymont—38.
[67] d'Orchymont—41.
[68] Leech—45.
[69] Listed as synonym of californicus by d'Orchymont—41.
[69a] Winters—44.
[70] Hatch—46.

vespilloides Hbst.[71]
defodiens Port. & Hatch
v.vespilloides s.str.
pygmæus Kby.
hebes Kby.
humeralis Hatch
a.ruber Hatch
a. nearcticus Hatch 40–234
defodiens Port. & Hatch (part)
a.nicolayi Hatch
a.oregonensis Hatch
s.defodiens Mannh.
nunenmacheri Leech
nunemacheri Hatch 40–234
a.binotoides Hatch 40–234
binotatus Hatch (not Port.)
a.conversator Walk.
defodiens var. b. Mannh.
lateralis Port.
a.pacificæ Hatch
a.gaigei Hatch
a.walkeri Hatch 40–234
conversator Port. & Hatch (notWalk.)
a.kadjakensis Port.
a.mannerheimi Port.
a.binotatus Port.
investigator Zett.
s.nigritus Mannh. Wash.[72]
s.guttulus Mots.
a.woodgatei Hatch Wash.[72]
a.vandykei Angell Wash.[72]

* * *

NICROPHORINI[73]

Nicrophorus Fab.
NECROCHARIS Port.
carolinus Fab.
mediatus Fab.
a.mysticallis Ang.
a.scapulatus Port.
a.dolosus Port.
a.floridæ Hatch
a.krautwurini Hatch
a.lunulatus Hatch
a.nebraskæ Hatch
NICROPHORUS s.str.
orbicollis Say
halli Kby.
quadrisignatus Cast.
humator Fab.
sulactus Fisch.
grandior Ang. (part)
v.atricornis Meier
a.maculosus Meier
a.rubropleuralis Delah.
delahoni Schilsky MS
a.signiceps Delah.
s.tenuipes Lewis
sayi Cast.
lumulatus Gistel
lunatus Lec.
luniger G. & H.
marginatus Fab.
requiscator Gistel
montezumæ Matth.
a.cordiger Port.
a.sanjuanæ Hatch
a.engelhardti Hatch
a.leachi Hatch
vespilloides Hbst.
mortuorum Fab.
fractus Port.
a.andrewesi Port.
a.aurora Mots.
hebes Kby.
pygmæus Kby.
vespilloides Lec. (not Hbst.)
defodiens Mannh.
disjunctus Wil.-Ellis
a.humeralis Hatch
a.tristis Port.
a.steinfeldi Smirnov
a.maculatus Wil.-Ellis
a.altumi Westh.
a.subfasciatus Port.
a.subinterruptus Pic
v.borealis Port.
v.sylvaticus Reitt.
a.sylvivagus Reitt.
a.ruber Hatch
a.nearticus Hatch
a.nicolayi Hatch
a.oregonesis Hatch
s.defodiens Mannh.
nunemacheri Hatch (not Port.)
a.binotoides Hatch
binotatus Hatch (not Port)
a.conversator Walk.
defodiens var. b. Mannh.
lateralis Port.
pollinctor Lec. (not Mannh.)
a.pacificæ Hatch
a.walkeri Hatch
conversator Port. (not Walk.)
a.gaigei Hatch
a.kadjakenis Port.
a.mannerheimi Port.
a.binotatus Port.
plagiatus Mots.
vespillo L.
vulgaris Fab.
cadaverinus Grav.
curvipes Duft.
a.faureli Fauc.
a.varendorffi Westh.
a.bolsmanni Westh.
a.æthiops Scheich.
a.minor Westh.
a.germani Hatch
americanus Oliv.
grandis Fab.
virginicus Frol.
melsheimeri Kby.
hybridus Hatch & Ang.
v.minesotianus Hatch
nigritus Mannh.
v.ruficornis Mots.

[71] Revision by Hatch—40.
[72] Hatch—40.
[73] Revision by Arnett—44. (Numerous misspellings are copied from this work.)

pustulatus Hers.
bicolor Newm.
tardus Mannh.
a.coloradensis Hatch
a.noveboracensis Hatch
a.fasciatus Port.
a.unicolor Port.
investigator Zett.
ruspator Er.
infodiens Mannh.
confossor Mots.
microcephalus Thoms.
pustulatus Horn (not Hers.)
labiatus Mots.
vestigator Gyll. (not Hers.)
s.investigator s.str.
a.suturalis Mots.
infodiens var. b. Mannh.
a.funeror Reitt.
a.funerator Faur.
v.variolosus Port.
a.intermedius Reitt.
a.jamezi Hatch
a.lutescens Port.
s.maritimus Guer.
aleuticus Guer.
pollintor Mannh.
sibiricus Mots.
infodiens var. c, Mannh.
a.martini Hatch
a.clarencei Hatch
a.sitkensis Hatch
a.massetti Hatch
a.grahami Hatch
a.charlottei Hatch
a.particeps Fisch.
a.japani Hatch
tomentosus Web.
velutinus Fab.
a.communis Hatch
a.elongatus Hatch
a.angustefasciatus Port.
a.splendens Hatch
a.brevis Hatch
v.aurigaster Port.
germanicus L.
listerianus Fourcr.
a.specious Schultze
a.bimaculatus Steph.
a.frontalis Fisch.
a.fassifer Reitt.
a.apicalis Kr.
v.ruthenus Mots.
grandior Ang.
guttula Mots.
s.guttula Mots.
a.ruficornis Mots.
a.sanfranciscæ Hatch
a.punctatus Hatch
a.shastæ Hatch
a.hypomerus Hatch
a.lajollæ Hatch
a.vandykei Ang.
a.quadriguttatus Ang.
a.kuschei Hatch.
mexicanus Matth.
hecate Bland.
a.wallisi Hatch
a.californiæ Hatch
a.intermedius Hatch
a.disjunctus Port.
a.woodgatei Hatch
a.phoenix Hatch
a.novamexicæ Hatch
a.rubripennis Port.
a.rubrissimus Hatch
a.immaculosis Hatch
obscurus Kby.
melsheimeri Lec.
a.discontinus Hatch
a.ruber Hatch

SILPHINI [73]

Silpha L.
littoralis L.
f.surinamensis Fab.
a.bizonatus Port.
disciocollis Brullé
analis Chevr.
æquinoctialis Gistel
brasiliensis Dej.
cayennensis Berg (not Sturm)
v.elongata Port.
v.discreta Port.

Thanatophilus Leach
OICEOPTOMA Leach
americana L.
peltata Catesby
a.affinis Kby.
terminata Kby.
canadensis Kby.
a.brunnipenis Hatch
noveboracensis Forst.
marginalis Fab.
marginata Kby.
quadripunctata L.
quadripunctulata Muller
quadrimaculata Sam.
v.sexpunctata Gerh.
a.bifasciata Schulze
inæqualis Fab.
s.rugulosa Port.
subrugata Chevr.MS
a.bicolorata Hatch
ramosa Say
cervaria Mannh.
ænescens Csy.
THANATOPHILUS s.str.
lapponica Hbst.
tuberculata Germ.
s.caudata Say
californica Mannh.
s.granigera Chevr.
trituberculata Kby.
sagax Mannh.
coloradensis Wickh.
obalskii Port.
truncata Say
mexicana Chevr. MS

Blitophaga Reitt.
opaca L.
hirta Schaff.
villosa Næzen.
tomentosa Villers
v.samnitica Fiori
v.binotata Port.
bituberosa Lec.

* * *

Silpha [75]
THANATOPHILUS Leach
trituberculata Kby. Wash.[76]
lapponica Hbst. Colo.[77] Ill.[76]
* * *
coloradensis Wickh. B.C.[77]
obalskii Port. 20–507 [77]
littoralis L. Eur. Asia, N.A.
surinamensis Fab. 92–72 [78]

Ptomaphagus
ADELOPS Tellk.
shapardi Sandn. 39–121 Okla.

STAPHYLINIDÆ

Piestinæ [79]

Piestus

Hypotelus

Trigonurus Muls. 47–515 [80]
* edwardsi Shp. 75–205 Cal. Ore.
sharpi Blkwr. 41–4 Cal.–B.C.
crotchi Lec. 74–48 Cal.–B.C.
lecontus Shp. 75–205 [80]
lecontei Shp. 75–206 [80]
leconteus Fvl. 78–185 [80]
cælatus Lec. 74–48 Cal.
rugosus Shp. 75–204 Nev. Cal.
dilaticollis VanD. 34–178 Cal. B.C.

Siagonium

Trigites Handl. 07–731
(*Pseudeleusis* Bnhr. 23–63)[81]
(*Triga* Fvl. 77–183)[81]
* * *

Phlœocharinæ

Rimulincola Sandn. 46–131 [82]
divalis Sandn. 46–131 Ark

Omaliinæ

Trigonodemus
fasciatus Leech 39–258 B.C.

Anthobium
EUSPHALERUM Kr. 58–1003
californicum Fvl. Wash. Ore.[83]
orientale Bnhr. Wash.[83]
farraræ Hatch 44–101 Wash.
grayæ Hatch 44–102 Wash. Ore.
ANTHOBIUM s.str.
bonnelli Hatch 44–103 Wash.
minskæ Hatch 44–104 Wash.

Oxytelinæ

Carpelimus Sam. 19–174 [81]
(*Trogophlœus* Mannh. 31–463)[81]
(*Tænosoma* Mannh. 31–464)[81]
(*Carpalimus* Steph. 32–324)[81]
(*Boopinus* Klima 04–56)[81]
(*Teropalpus* Sol. 49–330, subg.)[81]
(*Trogolinus* Shp. 00–231)[81]
(*Troginus* M. & R. 79–316, subg)[81]
(*Amisammus* Gozis 86–5, subg.)[81]
(*Amisanimus* B. & S. 10–95)[81]
fulvipes Er. 40–804 N.A. C.A. S.A. W.I.
rubripennis Fvl. 63–440 [81]
senilis Shp. 80–51 [81]
texanus Csy. 89–332 [81]
æqualis Gundl. 93–300 [81]

Coprophilus
sexualis Leech 39–259 B.C.

Apocellus Er. 40–812
(*Ocaleomorpha* Fleisch. 21–114)[81]

Oxytelus Grav. 02–101
(*Caccoporus* Thoms. 61–127)[81]
(*Styloxys* Gozis 86–15)[81]
(*Epomotylus* Thoms. 61–128, subg.)[81]
(*Tanycræmus* Thoms. 61–129, subg.)[81]
(*Anotylus* Thoms. 61–130, subg.)[81]
(*Emopotylus* Bnhr. 10–359, subg.)[81]

Platystethus Mannh. 31–460
(*Platysthetus* Steph. 33–273)[81]
(*Pyctocræmus* Thoms. 61–125)[81]
spiculus Er. 40–784 Tex. C.A. S.A. W.I.
exiguus DuVal 57–41 [81]

Osoriinæ [84]

LISPININI [84]

Lispini [84]

Pseudolispinodes Bnhr. 26–258
tenella (Er.) 40–23 N.A. C.A. S.A. W.I.
fauveli (Shp.) 87–720 [81]
flavipennis (Fvl.) 65–58 [81]
tenuis (Lec.) 63–60 [81]

Lispinus Er. 40–828
æquipunctatus Lec. 68–50 N.M. Ariz.
linearis Er. 40–829 N.A. C.A. S.A.

Inopepli [85]

Inopeplus Smith 51–4 [85]
(*Ino* Lap. 34–135, not Schrank)[84]
(*Euryplatus* Mots. 59–95)[84]
(*Pseudino* Fairm. 69–208)[84]
reclusa Lec. 80–186 Fla. Ala. Tex.
immunda Rttr. 78–191 Md.

Thoracophori [84]

Thoracophorus Mots. 37–98
(*Leipophorus* Bnhr. 26–261)[84]
(*Stilbogastrus* Bnhr. 08–286)[84]

[75] Key to larvæ, Dorsey—40.
[76] Hatch—40.
[77] Bjorkman & Hatch—39.
[78] Arnett—46.
[79] Elevated from tribe, Blackwelder—43.
[80] Key and revision, Blackwelder—41.
[81] Blackwelder—43.
[82] Doubtfully assigned here, Sanderson—46.
[83] Hatch—44.
[84] Generic revision, Blackwelder—42.
[85] Transferred from Cucujidæ, Blackwelder—42.

brevicristatus (Horn) 71–332 Fla. Ariz. [C.A. W.I.
costalis (Er.) 40–909 Mass.–Fla.–Neb.–[Cal.
fletcheri Wend. 27–5 Minn.[86]

Eleusii [84]

Eumalus Shp. 87–732
nigrellus (Lec.) 63–59 Md.–Tex.–Wash.–Mich.
a.canadensis (Horn) 71–299 Ont. Ohio

Eleusis Lap. 35–131
(*Chasolium* Lap. 35–132)[84]
(*Isomalus* Er. 40–132)[84]
humilis (Er.) 40–839 Cal. Ariz. C.A. S.A.
fasciata (Lec.) 63–59
indica (Kr.) 59–183
subtilis Shp. 89–467
pallidipennis (Fvl.) 65–40
tenuis (Fvl.) 65–41
tenuis (Walk.) 59–52
pallida (Lec.) 63–58 N.Y.–D.C.–Iowa

Paralispini [84]

Paralispinus Bnhr. 21–67
(*Ancæus* Fvl. 65–60)[81]
californicus (Lec.) 63–59 Cal.–Wash.
exiguus (Er.) 40–830 N.A. C.A. S.A. W.I.
aruensis (Fvl.) 78–200
fauveli (Shp.) 76–392
lævigatus (Kr.) 59–188
obscuripennis Bnhr. 26–255
pallescens (Bl. & S.) 85–126
rufescens (Lec.) 63–59
rufus (Fvl.) 65–60
prolixus (Lec.) 77–250 N.Y. Mich. S.D.

Osoriini [84]

Neotrochus Blkwr. 43–164
minor (Fvl.) 63–437 ?N.A. W.I. S.A.
parvulus (Chpn.) 28–66 La.
arizonicus (Chpn.) 28–66 Ariz.
lævicauda (Lec.) 66–376 Ky.–N.M.–Mich.
brachypterus (Fvl.) 05–136 Va.–Fla.–La.
minor (Lec.) 77–216 [81]

Osorius Latr. 27–332
(*Molosoma* Say 34–462)[81]
politus Lec. 77–215 Fla.
brevicornis Notm. 20–698 Fla.
planifrons Lec. 77–215 Ind. Fla.–Ariz.
parviceps Notm. 25–12 Fla.
brevipennis Notm. 25–14 Ariz. C.A.
variolatus Notm. 25–17 Ariz.
difficilis Notm. 25–17 Ariz.
latipes (Grav.) 06–198 Pa.–Fla.–Tex.–S.D.

Steninæ

Stenus Latr. 96–77
(*Nestus* Rey 83–183)[81]
(*Hemistenus* Mots. 60–557, subg.)[81]
(*Mesostenus* Rey 83–183)[81]
(*Parastenus* Heyd. 05–262) [81]
(*Hypostenus* Rey 83–183, subg.)[81]
(*Astenus* Lynch 84–341)[81]
(*Stenosidotus* Lynch 84–338)[81]
(*Areus* Csy. 84–150)[81]
(*Tesnus* Rey 83–183, subg.)[81]
(*Mutinus* Csy. 84–146)[81]
vista Sandn. 46–430 Colo. Man. N.W.T.

Stylopodinæ [81]

Stylopodus Ben. 17–190
(*Megalops* Er. 40–751)[81]
(Not Lacepède)
(*Perostylus* Ben. 17–190)[81]
(Not Pilsbry)
(*Megalopsidia* Leng 18–204, subg.)[81]
(*Aulacotrachelus* Ben. 21–1)[81]
(*Megalopsidiella* Bnhr. 33–333, [subg.)[81]
(*Gata* Blkwr. 43–202, subg.)

Pæderinæ

Ochthephilum Steph. 29–287 [81]
(*Cryptobium* Mannh. 31–452)[81]
(*Ababactus* Shp. 85–533, subg.)[81]
(*Cryptobiella* Csy. 05–29, subg.)[81]
(*Neobactus* Blkwr. 39–96, subg.)[81]
(*Octhephilum*, typ. error)
fracticorne (Payk.) 90–135 Eur. N.Afr. [Mass.[86a]

Dacnochilus
fresnoensis Leech 39–261 Cal.

Lithocharis
ardenus Sandn. 45–94 N.Y.–Ga.–Kan.

Rugilus Sam. 19–173 [81]
(*Stilicus* L. & S. 25–495)[81]
(*Stilicosoma* Csy. 05–219)[81]

Stilicolina [87]
fasta Sandn. 47–28 Ariz.

Astenus
fletcheri Wend. 27–5 Minn.[86]

Sunius Steph. 29–287
HYPOMEDON M. & R. 78–122[81]
(*Chloccharis* Lynch 84–257)[81]
(*Hemimedon* Csy. 05–160)[81]
(*Lena* Csy. 05–189)[81]
(*Euastenus* Fiori 15–10)[81]
SUNIUS s.str.
(*Oligopterus* Csy. 86–12)[81]
(*Medonella* Csy. 05–180)[81]
(*Micromedon* Csy. 05–155)[81]
(*Xenocharis* Brg. 34–328)[81]
CALODERMA Csy. 86–5 [81]
TRACHYSECTUS Csy. 86–38 [81]

Staphylininæ

Erichsonius Fvl. 72–427
(*Bisnius* Thoms. 60–168, not [Steph.)[81]

[86] Originally cited in error as N.Y.; see Fletcher 30–190.

[86a] Frost—47.

[87] Key to species, Sanderson—47.

(*Actobius* Fvl. 76–72)[81]
(*Neobisnius* Gglb. 95–464)[81]

Staphylinus L. [88]
(*Staphlinus* Rau 44–15)
maculosus Grav.
maculosis Rau 44–15

Ocypus Sam. 19–172 (not Kr. 58–536) [81]
ater Grav. Cal.[89]
GOËRIUS Steph. 29–275 [81]
olens Müll. 64–23 Cal.[89] [90] Mex.[90] Eur.

Atanygnathus Jacobs. 09–521
(*Tanygnathus* Er. 38–417, not [Wagler)[81]
(*Tanygnathinus* Rttr. 09–105)[81]

Xestolinus
oregonus K. Fend. 46–66 Ore.

Trichopseniinæ [91]

Trichopsenius Horn 77–88 [92]
* depressus (Lec.) 63–30 Fla. Tenn. La.
xenoflavipes Seev. 45–70 Ind. Ill.
frosti Seev. 45–70 Mass.
longipes Seev. 45–71 Utah. Cal.

Xenistusa
hexagonalis Seev. 41–324 Fla.

Tachyporinæ

Tachinus
quebecensis Robert 46–70 Que.

Bolitobius
kremeri Malkin 44–23 Ore. Wash.
ruber Malkin 44–24 Man. B.C.
kelleyi Malkin 44–26 B.C.
cascadensis Malkin 44–27 Ore.
s.hatchi Malkin 44–28 Wash.
intrusus Horn
v.wallisi Malkin 44–28 Man.
vandykei Dethlefsen 46–71 Cal. Wash.

Coproporus
ventriculus Say Ida.[93]

Conosomus Mots. 57–54 [81]
(*Conurus* Steph. 29–272, not Kuhl)[81]
(*Conosoma* Kr. 57–431)[81]

Pulicomorphinæ [94]

Pulicomorpha Mann 24–87 [94]
* cœca Mann 24–88 L.Cal.

Beyeria Fenyes 10–118 [94]
* vespa Fenyes 10–119 Ariz.
pulex Sandn. 43–137 Ark.

[81] Blackwelder—43.
[88] Key to larvæ, Voris—39.
[89] Van Dyke—45.
[90] Blackwelder collection.
[91] Seevers—41.
[92] Revision, Seevers—45.
[93] Malkin—44.
[94] Revision, Sanderson—43.

PSELAPHIDÆ

Batrisodes
cartwrighti Sandn. 40–169 S.C.
curvatus Sandn. 40–170 S.C.

CLAVIGERIDÆ

Fustiger
knausi Schffr. Colo.[95]

LIMULODIDÆ [96]

(*Limulodinæ, Cephaloplectinæ*) [97]

Limulodes Matth. 67–409
* (*Ecitoxenus* Wasm. 08–182)[97]
LIMULODES s.str.
paradoxa Matth. 67–409 Mass.–Ariz.
NEOLIMULODES Seev. & [Dybas 43–570
parki S. & D. 43–570 Ill. Ind. Ia. Tex.
paradoxa Wickh. 92–322 (part)[97]
IDIOLIMULODES Seev. & [Dybas 43–572
navajo S. & D. 43–572 Ariz.
paradoxa Wickh. 92–322 (part)[97]

SPHÆRITIDÆ

Sphærites
politus Mannh. 46–514 [98] Alas. Alb. Cal.
glabratus Horn 80–247 [98]
[glabratus Fabr. not N.Amer.[98]]

HISTERIDÆ

(see also below)

Hololepta
fossularis Say 25–47
æqualis Say 25–47 [99]

Hister
falli Bickh. 12–290
gagates Fall 10–121 [1]
(not Illiger, 1807)
PARALISTER Bickh. 16–188
osculatus Blatch. 10–607 [3]
puncticollis Schffr. 12–26 [2]
dispar Lec. 45–57 [3]
purpurascens Hbst. 92–42 Eur. Pa.[2]

Spilodiscus Lewis 06–343 [4]
floridanus Ross 40–7 Fla.
gloveri Horn 70–134 [5]

[95] Rotger—44.
[96] New family, with key to genera and species, Seevers & Dybas—43.
[97] Seevers & Dybas—43.
[98] W. J. Brown—44.
[99] Bradley—43.
[1] Bickhardt—12 and McGrath & Hatch—44.
[2] Siepmann—39.
[3] Placed in subgenus by Bradley—43.
[4] Used as valid genus, Ross—40.
[5] Transferred from Hister, Ross—44.

Atholus Thoms. 62–228 [4]
minutus Ross 40–8 Fla.

Pseudister
(hospes Lewis 02–236 prob.not N. Amer.[6])

Platysoma
leconti Mars. 53–273 [7]
depressum Lec. 45–40 [6]
lecontei of authors [6]

Psiloscelis
repletus Lec.[8]

Dendrophilus [9]
opacus Ross 40–104 S.C.

Terapus [10]
* arizonensis Ross 38–48 Ariz.
infernalis (Fall) 07–69 Cal.

Onthophilus
kirni Ross 44–115 Tex.

Acritus
attaphilus Wenzel 39–384 Tex.

Saprinus
lanei McGr. & H. 41–58 Wash.
insertus Lec
a micropunctatus McGr. & H. 41–60
fimbriatus Lec [Wash.
v desertoides McGr. & H. 41–61 Wash.
rossi Wenzel 39–388 Ill.

Eremosaprinus Ross 39–39 [11] [12]
* unguiculatus (Ross) 39–40 Cal.
falli (Ross) 39–41 Cal.
carinifer (Fall) 17–167 Cal.
opacus (Horn) 94–364 L.Cal.
hubbardi (Wenzel) 39–386 Cal.

Geomysaprinus Ross 40–2
* goffi Ross 40–3 Tex.[13] Fla.
tibialis Ross 40–5 Fla.
rugosifrons (Fall) 19–213 [14] Man.

Yarmister Wenzel 39–391
barberi Wenzel 39–392 Fla.

Reninus Lewis 89–275
(*Renia* Lewis 85–467)[15]
salvini Lewis 88–220 Tex.[15] Mex.

Hypocaccus
kincaidi McGr. & H. 41–62 Wash.

* * *

HISTERIDÆ [16]

(see also above)

SAPRINOMORPHÆ

Abræinæ [16]

ABRÆINI [16]

Abraeus [16]

PLEGADERINI [16]

Plegaderus [16]

ACRITINI [16]

Acletes [16]
floridæ Mars. [16]

Halacritus Schmidt 93–ciii [16]
(*Paracritus* Brèthes 23–40)[16]
parellelus Csy. 16–251 W.Va.
salinus (Lec.) 78–402 Fla.
maritimus (Lec.) 51–170 Cal.

Acritus Lec. [16]
exiguus Er. 34–208
subdepressus (Blatch.) 22–13 [16]

TERETRIINI [16]

(Teretrius, Teretriosoma)

Saprininæ [16]

Saprinus [16]

Geomysaprinus Ross 40–2 [16]
rugosifrons (Fall) 19–213 Man.

Hypocaccus [16]
iris (Fall) 19–214 Man. Wis.
alutiger (Wenzel) 35–789 [16]

Dendrophilinæ [16]

Geocolus Wenzel 44–92
cæcus Wenzel 44–94 Ga.

Bacanius [16]

Carcinops Mars. [16]
cribripuga Wenzel 44–102 Fla.

Tribalinæ [16]

Epierus [16]

Histerinæ [16]

HOLOLEPTINI [16]

Hololepta [16]

HISTERINI [16]

Margarinotus Mars. 53–549 [16]
* (*Grammostethus* Lewis 06–400)[16]
(*Paralister* Bickh. 16–188)[16]
(*Stenister* Reich. 26–270)[16]
adonis (Blatch.)

[6] Bradley—43.
[7] Correct spelling, Bradley—43.
[8] A species inquirendæ, Bradley—43.
[9] Key to species, Ross—40.
[10] Key to species, Hinton—45.
[11] Described as a subgenus of Saprinus.
[12] Considered a distinct genus, Ross—40.
[13] Ross—44.
[14] Transferred from Saprinus, Ross—44.
[15] Wenzel—40.
[16] Partial reclassification of family, Wenzel—44.

cadaverinus (Hoffm.) 03–34
obtusatus of authors [16]
virginiæ (Csy.) 93–541 [16]
californicus (Mars.)
cognatus (Lec.)
confusus Wenzel 44–133 Mass.–Ill.
davisi (Schæf.)
ednæ (Carn.)
egregius (Csy.)
felipæ (Lewis)
fidelis (Csy.)
fractifrons (Lewis)
guttifer Horn
immunis (Er.)
interruptus (Beauv.)
lecontei Wenzel 44–134 Que.–N.C.–Wis.
cognatus of authors [16]
marginicollis (Lec.)
merdarius (Hoffm.)
mormon (Csy.)
oblitus (Csy.)
planifrons (Lewis)
pluto (Csy.)
rectus (Csy.)
remotus (Lec.)
sinuosus (Lewis)
stercorarius (Hoffm.) 03–57 Mass. Ill. [Ore. Eur.
semisculptus (Lec.) 63–60 [16]
stygicus (Lec.)
umbilicatus (Csy.)
umbratilis (Csy.)
umbrosus (Csy.)

Atholus Thoms. [16]
bolteri Wenzel 44–137 Fla.

Hetæriinæ [16]

HETAERIOMORPHINI [16]

Yarmister [16]

* * *

LAMPYRIDÆ

Brachylampis VanD. 39–15
sanguinicollis VanD. 39–16 Cal.
blaisdelli VanD. 39–17 Cal.

CANTHARIDÆ

Chauliognathus
texanus K. Fender 43–63 Tex.

Podabrus [20]
fayi Lec. 66–91 [17]
cascadensis K. Fend. 43–64 Ore.
brunneus K. Fend. 43–65 Ariz.
danielsi K. Fend. 43–65 Wash.[18] Ore.
latimanus Mots. Ore.[18]
conspiratus Fall Ore.[18]
pruinosus Lec. Ore.[18]
v.diversipes Fall Ore.[18]
falli Hopp. Wash. Ore.[18]
fulvus Fall Ore.[18]
lanei K. Fend. 45–78 Wash. Ore. Ida.
extricatus Fall Ore.[18]
macer Lec. Ore. Wash.[18]
piniphilus Esch. Ore. Wash.[18]
extremus Lec. N.H. Alb. Wash. Alas.[18]
bolteri Lec. Cal.[19] Ore.[18]
pattoni Lec. 66–394 Can. Pa.[19]
deceptus Brown 40–161 Man.
perplexus Brown 40–161 Man.
secretus Brown 40–161 Que.
fissilis Fall Wash.[18]
instabilis Fall (not Lec.) Ore. Wash. B.C.[18]
cavicollis Lec. Wash. Ore.[18]
frosti K. Fend. 46–12 Mass.
planulus Green 47–65 N.H.–Pa.–Mich.
intrusus Green 47–67 Vt. Pa Mass. Mich.
brimleyi Green 47–70 N.C.
dreisbachi Green 47–73 Mich.
dietrichi Green 47–74 N.Y.
antennatus Green 40–172 Mass.–Va.–Minn.
sylvaticus Green 40–173 Ont.–Ga.
parvicollis Green 40–175 Pa. N.J. N.C.
proximus Green 40–176 N.Y. N.J.
umbrinus Green 40–181 Me.–Fla.
cartwrighti Green 40–182 N.C.Mich.
hirticulus Green 40–183 Pa. N.C. Ind.
mimeticus Green 40–184 W.Va. Ala. N.C.
angulatus Say 23–180 [21] [Ga.
flavipes Lec. 51–341
dichrous Lec. 51–341 [22]
picticornis Green 40–191 Colo. N.M. Ariz
tenuis Green 40–192 Me.–N.C.
campestris Green 40–194 Kan.–Minn.
vestigialis Green 40–195 N.J.
septentrionis Green 40–197 Man. Minn.
coloradensis Green 40–198 Colo. Utah [Mont.
oriflavus Lec. 74–273 [21] Me.–Ala.–Kan.
imbecillis Lec. 51–342
imbecilis Leng 20–143 [22]
albolineatus Blatch. 17–143 [22]
imbecillus Blkwr. 39–31 [22]
nigriceps Lec. 50–230 [21]
pusillus Lec. 81–52 (not 1851)[22]
mollis Fall 36–182 [22]
s.mimus Fall 36–182 [22]
greeni Fall 36–183
greenei Blkwr. 39–32 [22]
trianguliferus Green 40–207 N.J.–Fla.–[Ark.
nigrohumeralis Green 40–207 Va.–Ala.
heterodoxus Green 40–208 Mass.–Ala.–Ill
bilobatus McK.-Fend.[24] 41–128 Ont.–N.C.–Tex.
carolinus Fab. Ont.–Fla.–Tex.–Minn.[23]
dentatus McK.-Fend. 44–20 Cal.

Polemius
canadensis Brown 40–162 N.B.

[16] Partial reclassification of family, Wenzel—44.
[17] Valid species, K. Fender—45.
[18] K. Fender—45.
[19] Localities transposed in Leng Cat., K. Fender—45.
[20] Key to species, Green—40.
[21] Valid species, Green—40.
[22] Green—40.
[23] McKey-Fender—41.
[24] This spelling was later adopted by Mrs. Dorothy McKey Fender, to avoid confusion with Kenneth Fender.

Silis
freemani Brown 40–163 Tex.

Malthodes
hirsutotibialis K.Fend. 45–38 N.C.
oregonus K.Fend. 43–66 Ore
frosti K.Fend. 43–67 Ore
humidus K.Fend. 43–68 Ore.
frisoni K.Fend. 46–142 Ill. Ark.
rotgeri K.Fend. 46–143 Colo.
macnabi K.Fend. 46–144 Wash.

MELYRIDÆ

Malachius [25]
rotgeri Marshall 46–191 Colo.
yuccæ Hopp. 39–61 Cal.
blaisdelli Hopp. 39–62 Cal.

Trichochroides Blais. 38–25 [26]
* scabricollis Blais. 40–290 Cal.
muiri Blais. 27–165 Cal.
falsus Blais. 40–292 Cal.
nunenmacheri Blais. 40–294 Cal.
vanduzeei (Blais.) 24–322 [27] Cal.
sexualis (Csy.) 95–524 [27] Cal.
palpalis (Blais.) 23–321 Cal.
crassicornis Blais. 40–300 Cal.
parvicollis Blais. 40–301 Cal.
virilis Blais. 40–303 Cal.

Tanaops [28]
greeni M.Y.Marsh. 44–164 Colo N M.
neglectus M.Y.Marsh. 46–185 Cal.
abdominalis Lec. 59–74 Cal.
v alutaceus M.Y.Marsh. 46–186 Cal.
sierræ M.Y.Marsh. 46–187 Cal.
nunenmacheri M.Y.Marsh. 46–189 Nev.
oregonensis M.Y.Marsh. 46–190 Ore.

Microlipus
uniformis (Mots) 59–405 [29] B.C.[30]

Anthocomus
erichsoni Lec. 52–165 [31]
criddlei (Brown) 28–146 [30]
otiosus Er. 40–99 [sic] [30]

Attalus
nigrellus Lec. 52–167
falli (Hopp.) 25–206 [30]
minutus M.Y.Marsh. 46–193 Ariz.

Eudasytes
brunnipilosa Blais. 40–319 Cal.

Eutrichopleurus
concinnus Blais. 40–321 Utah

Enallonyx Wolc. 44–47
(*Allonyx* Lec. 62–193)[32]
(not DuVal, 1860)

CLERIDÆ

Tillinæ

Monophylla
(*Macrotelus* Klug 42–274)[33]
(*Elasmocerus* Lec. 49–13)[33]

Callotillus

Tillus
(*Cylinder* Voet 06–78)[33]
patagoniæ Knull 46–72 Ariz.

Perilypus

Lecontella

Cymatodera
pseudotsugæ Barr 47–17 Cal. Ore.
xavieræ Knull 40–555 Ariz.

Bostrichoclerus

Phyllobæninæ [33 41]

Phyllobænus Dej. 37–127 [33 43 44]
(*Hydnocera* Newm. 38–379)[33 42]
(*Theano* Chev. 43–33, not Cast.)[33]
humeralis (Say) 23–192
humeralis Germ. 24–80 [42]
v.cyanescens (Lec.) 49–28 [34]
difficilis (Lec.) 49–27 [34]
verticalis Say 35–164
brachyptera (Klug) 42–313 [34]
lineatocollis (Spin.) 44–51 [34]
tenella (Say) 35–164 [34]

Isohydnocera [23 42]

Wolcottia [33 42]

Thaneroclerinæ [33 44]

Thaneroclerus Lef. 38–13 [44]
* (*Taneroclerus* Chev. 80–10)[33]
(*Thaneclerus* Chenu 60–247)[44]
(*Thanateroclerus* G. & H. 69–1739)[44]
(*Metademius* Matsum. 35–234)[33]
buquet Lef. 35–577 [34 44] N.Y. Fla. Cal.
buqueti Westw. 38–13 [34 44] [Cosmop.

ERRATUM

Fifth Supplement to Leng Catalogue.

Your attention is drawn to an omission on page 12, column 2. The generic name CANTHARIS should be inserted between lines 23 and 24 (dietrichi Green and antennatus Green). This name should be followed by footnote reference 20.

In column 1 after the genus PODABRUS delete the footnote reference.

cadaverinus (Hoffm.) 03–34
obtusatus of authors [16]
virginiæ (Csy.) 93–541 [16]
californicus (Mars.)
cognatus (Lec.)
confusus Wenzel 44–133 Mass.–Ill.
davisi (Schæf.)
ednæ (Carn.)
egregius (Csy.)
felipæ (Lewis)
fidelis (Csy.)
fractifrons (Lewis)
guttifer Horn
immunis (Er.)
interruptus (Beauv.)
lecontei Wenzel 44–134 Que.–N.C.–Wis.
cognatus of authors [16]
marginicollis (Lec.)
merdarius (Hoffm.)
mormon (Csy.)
oblitus (Csy.)
planifrons (Lewis)
pluto (Csy.)
rectus (Csy.)
remotus (Lec.)
sinuosus (Lewis)
stercorarius (Hoffm.) 03–57 Mass. Ill. [Ore. Eur.
semisculptus (Lec.) 63–60 [16]
stygicus (Lec.)
umbilicatus (Csy.)
umbratilis (Csy.)
umbrosus (Csy.)

Atholus Thoms. [16]
bolteri Wenzel 44–137 Fla.

Hetæriinæ [16]

HETAERIOMORPHINI [16]

Yarmister [16]

* * *

LAMPYRIDÆ

Brachylampis VanD. 39–15
sanguinicollis VanD. 39–16 Cal.
blaisdelli VanD. 39–17 Cal.

CANTHARIDÆ

Chauliognathus
texanus K. Fender 43–63 Tex.

Podabrus [20]
pruinosus Lec. Ore.[18]
v.diversipes Fall Ore.[18]
falli Hopp. Wash. Ore.[18]
fulvus Fall Ore.[18]
lanei K. Fend. 45–78 Wash. Ore. Ida.
extricatus Fall Ore.[18]
macer Lec. Ore. Wash.[18]
piniphilus Esch. Ore. Wash.[18]
extremus Lec. N.H. Alb. Wash. Alas.[18]
bolteri Lec. Cal.[19] Ore.[18]
pattoni Lec. 66–394 Can. Pa.[19]
deceptus Brown 40–161 Man.
perplexus Brown 40–161 Man.
secretus Brown 40–161 Que.
fissilis Fall Wash.[18]
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frosti K. Fend. 46–12 Mass.
planulus Green 47–65 N.H.–Pa.–Mich.
intrusus Green 47–67 Vt. Pa Mass. Mich.
brimleyi Green 47–70 N.C.
dreisbachi Green 47–73 Mich.
dietrichi Green 47–74 N.Y.
antennatus Green 40–172 Mass.–Va.–Minn.
sylvaticus Green 40–173 Ont.–Ga.
parvicollis Green 40–175 Pa. N.J. N.C.
proximus Green 40–176 N.Y. N.J.
umbrinus Green 40–181 Me.–Fla.
cartwrighti Green 40–182 N.C.Mich.
hirticulus Green 40–183 Pa. N.C. Ind.
mimeticus Green 40–184 W.Va. Ala. N.C. [Ga.
angulatus Say 23–180 [21]
flavipes Lec. 51–341
dichrous Lec. 51–341 [22]
picticornis Green 40–191 Colo. N.M. Ariz
tenuis Green 40–192 Me.–N.C.
campestris Green 40–194 Kan.–Minn.
vestigialis Green 40–195 N.J.
septentrionis Green 40–197 Man. Minn.
coloradensis Green 40–198 Colo. Utah [Mont.
oriflavus Lec. 74–273 [21] Me.–Ala.–Kan.
imbecillis Lec. 51–342
imbecilis Leng 20–143 [22]
albolineatus Blatch. 17–143 [22]
imbecillus Blkwr. 39–31 [22]
nigriceps Lec. 50–230 [21]
pusillus Lec. 81–52 (not 1851)[22]
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s.mimus Fall 36–182 [22]
greeni Fall 36–183
greenei Blkwr. 39–32 [22]
trianguliferus Green 40–207 N.J.–Fla.–[Ark.
nigrohumeralis Green 40–207 Va.–Ala.
heterodoxus Green 40–208 M...

Silis
freemani Brown 40–163 Tex.

Malthodes
hirsutotibialis K.Fend. 45–38 N.C.
oregonus K.Fend. 43–66 Ore
frosti K.Fend. 43–67 Ore
humidus K.Fend. 43–68 Ore.
frisoni K.Fend. 46–142 Ill. Ark.
rotgeri K.Fend. 46–143 Colo.
macnabi K.Fend. 46–144 Wash.

MELYRIDÆ

Malachius [25]
rotgeri Marshall 46–191 Colo.
yuccæ Hopp. 39–61 Cal.
blaisdelli Hopp. 39–62 Cal.

Trichochroides Blais. 38–25 [26]
* scabricollis Blais. 40–290 Cal.
muiri Blais. 27–165 Cal.
falsus Blais. 40–292 Cal.
nunenmacheri Blais. 40–294 Cal.
vanduzeei (Blais.) 24–322 [27] Cal.
sexualis (Csy.) 95–524 [27] Cal.
palpalis (Blais.) 23–321 Cal.
crassicornis Blais. 40–300 Cal.
parvicollis Blais. 40–301 Cal.
virilis Blais. 40–303 Cal.

Tanaops [28]
greeni M.Y.Marsh. 44–164 Colo N M.
neglectus M.Y.Marsh. 46–185 Cal.
abdominalis Lec. 59–74 Cal.
v alutaceus M.Y.Marsh. 46–186 Cal.
sierræ M.Y.Marsh. 46–187 Cal.
nunenmacheri M.Y.Marsh. 46–189 Nev.
oregonensis M.Y.Marsh. 46–190 Ore.

Microlipus
uniformis (Mots) 59–405 [29] B.C.[30]

Anthocomus
erichsoni Lec. 52–165 [31]
criddlei (Brown) 28–146 [30]
otiosus Er. 40–99 [sic] [30]

Attalus
nigrellus Lec. 52–167
falli (Hopp.) 25–206 [30]
minutus M.Y.Marsh. 46–193 Ariz.

Eudasytes
brunnipilosa Blais. 40–319 Cal.

Eutrichopleurus
concinnus Blais. 40–321 Utah

Trichochrous
nevadensis Blais. 42–129 Nev.
panamintensis Blais. 40–323 Cal.

Listrus
hoppingi Blais. 40–212 Cal.

[25] According to Marshall (46–193) all American species in this genus should be transferred to Microlipus, with exception of æneus.
[26] Revision of genus, Blaisdell—40.
[27] Transferred from Trichochrous by Blaisdell —40.
[28] Key to species, M. Y. Marshall—46.
[29] Valid species, M. Y. Marshall—46.
[30] Brown—44.

Enallonyx Wolc. 44–47
(*Allonyx* Lec. 62–193)[32]
(not DuVal, 1860)

CLERIDÆ

Tillinæ

Monophylla
(*Macrotelus* Klug 42–274)[33]
(*Elasmocerus* Lec. 49–13)[33]

Callotillus

Tillus
(*Cylinder* Voet 06–78)[33]
patagoniæ Knull 46–72 Ariz.

Perilypus

Lecontella

Cymatodera
pseudotsugæ Barr 47–17 Cal. Ore.
xavieræ Knull 40–555 Ariz.

Bostrichoclerus

Phyllobæninæ [33] [41]

Phyllobænus Dej. 37–127 [33] [43] [44]
(*Hydnocera* Newm. 38–379)[33] [42]
(*Theano* Chev. 43–33, not Cast.)[33]
humeralis (Say) 23–192
humeralis Germ. 24–80 [42]
v.cyanescens (Lec.) 49–28 [34]
difficilis (Lec.) 49–27 [34]
verticalis Say 35–164
brachyptera (Klug) 42–313 [34]
lineatocollis (Spin.) 44–51 [34]
tenella (Say) 35–164 [34]

Isohydnocera [23] [42]

Wolcottia [33] [42]

Thaneroclerinæ [33] [44]

Thaneroclerus Lef. 38–13 [44]
* (*Taneroclerus* Chev. 80–10)[33]
(*Thaneclerus* Chenu 60–247)[44]
(*Thanateroclerus* G. & H. 69–1739)[44]
(*Metademius* Matsum. 35–234)[33]
buquet Lef. 35–577 [34] [44] N.Y. Fla. Cal.
buqueti Westw. 38–13 [34] [44] [Cosmop.
girodi Chev. 80–31 [34] [44]
tabacci Matsum. 35–234 [34] [44]
v.dermestoides Klug 42–310 [34] [44] N.Y.

[31] Belongs in Microlipus, M. Y. Marshall—46.
[32] Wolcott—44.
[33] Rearrangement and synonymy, Wolcott—47.
[34] Wolcott—47.
[35] Revision of genus, Wolcott—47
[40] Doubtfully retained; not seen since the original publication; Wolcott—47.
[41] Key to genera, Wolcott—44.
[42] Wolcott—44.
[43] Should be Dejean 33–113.
[44] Revision, Corporaal—39.

Zenodosus Wolc. 10–321 [33] [44]
* (*Xenodosus* Champl. 20–636)[33] [44]
(*Zenodusus* Leng 20–470)[33]
sanguineus Say 35–162 U.S. Can.

Ababa Csy. 97–653 [33] [44]
* (*Prionodera* Wolc. 10–396)[33] [44]
(*Prionostichæus* Wolc. 11–125)[33] [44]
(*Wolcottella* Lucas 20–669)[33] [44]
tantilla Lec. 65–96 Ala.–Tex.–Bra.
crinita Csy. 97–653 [44]

Clerinæ [33]

Priocera
catalinæ Cazier 39–162 Ariz.
chiricahuæ Knull 39–27 Ariz.

Colyphus Spin. 41–72
(*Cleronomus* Klug 42–282)[33]
(*Derestenus* Chev. 43–13)[33]
furcatus Schffr. 04–218 Tex.
ornaticollis Lec. 80–194 Ohio
melanopterus Dury 06–251 [34]

Placopterus Wolc. 10–363
(*Pœcilochroa* Chev. 76–5)[33]
(not Westring, 1874)
(*Plæopterus* Leng 20–149)[33]
(*Phlæopterus* Britton 31–236)[33]
cyanipennis Klug 42–307 [Mex.]
v.dasytoides Westw. 49–50 Mex. Tex.
haagi Chev. 76–12 [36] Mex. Tex.
subcostatus Schffr. 17–131 [36] Fla. Tex.
thoracicus Oliv. 95–18 [36] Can.–Fla.–Ind.
monilis Melsh. 46–307 [34] [Cal.
v.pallipes Wolc. 12–55 [36]

Thanasimus Latr. 06–270
* (*Cleroides* Schffr. 77–137)[33]
(*Pseudoclerus* DuVal 60–196)[33]
dubius Fab. 77–229 Me.–N.M.–Alas.
ruficeps Spin. 44–189 [34]
repandus Horn 71–342 Cal.
trifasciatus Say 25–175 Can.–Pa.–Wis.
undatulus Say 35–163 Me.–Mont.–N.M.
undulatus Leng 20–149 [34]
v.abdominalis Kby. 37–244 [34]
v.nubilus Klug 42–386 [34]
v.melanocephalus Chev. 74–290 [34] N.S.
[N.H.
v.monticola Wolc. 10–357 [34] B.C.–Cal.
v.rubriventris Lec. 61–351 [34] Cal.

Enoclerus Gahan 10–62 [37] [46]
(*Clerus* of authors, not Fab.)[33] [46]
abdominalis Chevr. 34–52 [Mex.]
zonatus Klug 42–297 [34]
v.spinolæ Lec. 53–230 [34] Kan.–Mex.–
[Cal.
bombycinus Chev. 33–42 Cal. Mex.
æneicollis Spin. 44–254 [34]
sericans Westw. 49–58 [34]
brevicollis Spin. 44–266 N.A.

erro Wolc. 22–68 Ariz.
inyoensis VanD. 38–191 Cal.
lecontei Wolc. 10–359
nigriventris Lec. 61–351 [34]
(not Blanchard, 1843)
liljebladi Wolc. 22–73 N.Y.–Wis
mexicanus Cast. 36–44 Tex.–Pan.
assimilis Spin. 44–249 [34]
v.assimilis Chev. 43–17 [34]
v.semiochraceus Chev. 74–292 [34]
v.silbermanni Chev. 43–21 [34]
nigrifrons Say 23–190 Can.–Ala.–Neb.
v.testaceipes Wolc. 22–72 Ind.
venator Chev. 43–18 Tex. Mex.
lesueuri Spin. 44–249 [34]
vetus Wolc. 27–107 Tex.
crabronarius of authors
(not Spinola, 1844)
schaefferi Barr 47–24
humeralis Schffr 05–155 [36a]
eximius Mannh.
s. trullionis Barr 47–21 Utah Nev. Ida.
Ore.

Trichodes Hbst. 92–154 [33] [37a] [45]
(*Clerus* Curt. 24–44)[33]
basalis VanD. 43–41 Cal.
ornatus Say 23–189 Tex.–Alas. Mex.
tenellus Lec. 58–72 [34]
douglasianus White 49–60 [34] [42]
hartwegianus White 49–60 [34] [42]
v.obsoletus Wolc. 44–59 [34] Ariz.
simulator Horn 80–149 Colo.[42] Utah N.M.
flavescens Ckll. 98–115 [42]

Aulicus

Serriger

Xenoclerus

Epiphlœinæ [33]

Phlogistosternus Wolc. 44–124 [33] [37b]
(*Phyllobænus* Spin. 44–1)[33] [42]
(not Dejean, 1837)
(*Theano* Chev. 43–33)[42]
californicus VanD. 23–47 Cal.
dislocatus Say 25–176 Can.–Ga.–Tex.
dislotatus Wolc. 44–124
distrophus Klug 43–374 [34]
transversalis Spin. 44–4 [34]
merkeli Horn 96–374 Ariz. N.M.

Neichnea Wolc. & Chpn. 18–108
(*Ichnea* Cast. 36–55, part) [34]
(*Ellipotoma* Wolc. 10–858)[34]
(not Spinola, 1844)

Ichnea Cast. 36–55
* elongata Knull 39–27 Ariz.

[37a] Listed as synonym of Clerus Fab. by Wolcott —44.
[37b] Originally placed in Phyllobæninæ.
[38] Valid species, Wolcott—47.
[42] Wolcott—44.
[44] Revision, Corporaal—39.
[46] Blackwelder—45.

Enoplinæ [33]

Orthopleura Spin. 44–80
(*Dermestoides* Schffr. 71–220)[33]
texana Bland 63–356 [38] Tex.

Pelonides Kuw. 94–8
(*Pyticara* Spin. 41–75)[33]
humeralis Horn 68–135 Tex. N.M. Mex.
v.perroudi Pic 33–12 [34] Tex.
similis Knull 38–97 Tex.

Chariessa Perty 30–109
(*Brachymorphus* Chev. 35–150)[33]
(*Pelonium* Spin. 44–347, part)[33]
(*Philyra* Cast. 36–53)[33]
(*Tarandocerus* Chev. 76–7)[33]

Corinthiscus F. & G. 61–4
(*Pelonium* Spin. 44–347, part)[33]

Cregya Lec. 61–197
* (*Galeruclerus* Gahan 10–75)[33]
mixta Lec. 66–98 Md.–Tex.
oculata Say 35–163 Mass.–Tex.
marginipennis Spin. 44–363 [34]
quadrisignata Spin. 44–365 Tex. C.A.
v.bilineicollis Chevr. 74–327 [34] Tex.
quadrinotata Chevr. 74–328 [34]
uncinata Chevr. 74–328 [34]

Korynetinæ [33]

[**Erolestus** Wolc. 27–108 not N.A.[34]]

[**Korynetes** Hbst. 92–148 not N.A.[34]]

Tarsostenus Spin. 44–287
* univittatus Rossi 92–44 Cosmop.
albofasciatus Melsh. 46–306 [34]
biguttatus Montr. 60–260 [34]
fasciatellus Spin. 44–172 [34]
fasciatus Curt. 32–270 [34]
mœrens Westw. 49–57 [34]
picipennis Westw. 49–48 [34]
succinctus Chev. 42–277 [34]

Lebasiella

Lœdelia Lucas 20–380
(*Necrobioides* Gahan 10–76)[33]
* discoidea (Lec.) 81–77 [39] N.M. Ariz.
janthina Lec. 66–99 [39] L.Cal.
maculicollis Lec. 74–63 [39] Cal.
filiolus Chev. 74–326 [39]
lineatocolle Chevr. 74–326 [39]
v.nigricollis Wolc. 27–110 [39] Cal.

Necrobia Oliv. 95–5
* (*Agonolia* M. & R. 63–122)[33]
?mesosternalis Schffr. 08–135 Ariz. Mex.
ruficollis Fab. 75–57 Cosmop.
v.knochei Kolbe 12–9 [34]
rufipes Deg. 75–165 Cosmop.
amethystina Steph. 32–417 [34]
dermestoides P. & M. 83–68 [34]
foveicollis Schkg. 00–20 [34]
glabra Champoll. 14–41 [34]
mumiarum Hope 34–54 [34]
pilifera Rttr. 94–85 [34]
v.æneipennis Csiki 00–124 [34]
violacea L. 58–356 Cosmop.
angustata Fald. 35–210 [34]
chalybea Sturm 37–43 [34]
errans Melsh. 46–307 [34]
quadra Marsh. 02–323 [34]

Opetiopalpus Spin. 44–110
* (*Opetiopselaphus* G. & H. 69–1759)[33]
luridus Spin. 44–113 [40] ?N.A.

ŒDEMERIDÆ

Rhinoplatia Horn 68–137 [47]
* mortivallicola Arnett 48–243 Cal.
ruficollis Horn 68–138 Nev. Cal.

Asclera [48]
auripilis VanD. 46–81 Cal.

MORDELLIDÆ [56]

Tomoxia Costa 54–8 [49]
* inclusa Lec. 62–45 Me.–Md.–Mich.–Ont.
borealis (Lec.) 62–46 [50] N.B.–Pa.–Colo.
lineella Lec. 62–45 NB.–Md.–C.St.
fascifera (Lec.) 78–427 [50] D.C. Fla. Tex.
undulata (Melsh.) 46–316 [50] Me.–Md.–Ill.
serval (Say) 35–191 [50] c.St.
triloba (Say) 24–139 [50] Vt.–Ala.–Kan.
carinata (Smith) 83–3 [50] Fla.–Tex.
discoidea (Melsh.) 46–315 [50] N.Y.–Tenn.–[Iowa
v.flaviventris (Smith) 83–3 [50] Fla. Tex.
* * *
latipalpis Ray 46–90 Fla.

Glipa Lec. 59–17 [49]
* hilaris (Say) 35–190 Pa.–Tex.
hieroglyphica Sz. 78–372 [51]
oculata (Say) 35–190 [50] Pa.–Ga.–Mich –
jovialis (Lec.) 78–428 [51] [Tex.
octopunctata (Fab.) 75–263 [50] N.Y.–Tex.
bidentata (Say) 23–277 [52] Me.–N.C.–Kan.
inflammata (Lec.) 62–46 [50] Fla.
perlineata (Fall) 07–254 [50] N.M. Ariz.
* * *
hieroglyphica Sz. 78–372 [53] Fla.

Mordella [49]
(*Sphalera* Lec. 59–17)[51]
signata Champ. 91–276 N.M.[51] C.A.
schwarzi Lilj. 45–34 Fla
capillosa Lilj. 45–35 Colo.
pubescens Lilj. (not Fab.)[51]
cinereoatra Lilj. 45–41 Fla.
marginata Melsh. 46–312 Pa.
v.lineata Melsh. 46–313 [51] Pa.
invisitata Lilj. 45–48 Fla.
novemnotata Ray 44–118 Ariz. Mex.
latemaculata Ray 44–122 Tex. Mex.
pretiosa Champ. 91–302 Tex.[54] Mex.
brevistylis Lilj. Tex.[54]

[39] Transferred from Korynetes, Wolcott—47.
[45] Key to species, Wolcott—44.
[47] Revision, Arnett—48.
[48] Key to Pacific Coast species, Van Dyke—46.
[49] Key to species, Liljeblad—45.
[50] Transferred from Mordella by Liljeblad—45.
[51] Liljeblad—45.
[52] Transferred from Tomoxia by Liljeblad—45.
[53] Valid species, Ray—39.
[54] Ray—46.

quadripunctata Say Colo.[54]
fuscocinerea Fall Utah [54] Ariz.
longipalpis Ray 46–121 Ill.

Isotrilophus Lilj. 45–18
erratica (Smith) 83–80 [55] Ark.[54] Fla. Tex.
ebenina (Champ.) 91–306 [51]

Glipodes
sericans Melsh. Ark.[54]

Conalia M. & R. 58–313
helva (Lec.) 62–48 [57] [58] Mass.–Fla.–Kans.
melanops Ray 46–91 Que.

Mordellistena [49]
fuscipennis (Melsh.) 46–314 N.S.–Va.–
pityptera Lec. 62–51 [51] [Mich.
badia Lilj. 45–164 Kan.
lodingi Lilj. 45–173 Ala.
husseyi Lilj. 45–176 [59] Tenn.[54] Ill.[54] Mich.
texana Smith 82–98 Tex.
insolita Lilj. 17–11 [51]
caliginosa Lilj. 45–158 Utah
tantula Lilj. 45–159 Cal.
palmi Lilj. 45–159 Ariz.
blandula Lilj. 45–160 Cal.
parva Lilj. 45–133 Mich.
blatchleyi Lilj. 45–133 [59] Ga.[54] Ohio [54]
[Ill.[54] Fla.
subfuscus Lilj. 45–134 Ariz.
wickhami Lilj. 45–135 [59] Ill.[54] Utah
crinita Lilj. 45–136 Tex.
discolor (Melsh.) 45–313
cinereo-fasciata Smith 82–98 [51]
wolcotti Lilj. 17–12 [51]
rubrifascia Lilj. 45–113 Ind. Ill. Ohio
rufilabris Lilj. 45–113 Cal.
pullata Lilj. 45–115 Cal.
nigella Lilj. 45–116 Cal.
minutalis Lilj. 45–121 Cal.
andreæ Lec. 62–50 c.St. Ga.
grammica Lec. 62–50 [51]
v.ancilla Lec. 62–50 [51] Mass.–Fla.–Ill.
varians Lec. 62–50 [51]
v.ustulata Lec. 62–50 [51] c.St. s.St.
cervicalis Lec. 62–49 Me.–N.C.
picicornis Lec. 62–49 [51]
auricoma Helm. 65–96 [51]
exilis Lilj. 17–10 [51]
comata of Smith (not Lec.)[51]
scapularis (Say) 24–277 N.S.–Md.–Mich.
biplagiata Helm. 64–105 [51]
pauxilla Lilj. 45–93 Ill.
paradisa Lilj. 45–94 Fla.
nebulosa Lilj. 45–101 Ohio
argenteola Lilj. 45–104 Utah Ariz.
egregia Lilj 45–107 Cal.
trifasciata (Say) 26–243 Me.–Ala.–Mich.
nigricollis Helm. 64–105 [51]
lepidula Lec. 62–48 [51]
amica Lec. 62–49 [51]
sexnotata Dury 02–176 Ky. N.M.
festiva || Fall 07–255 [51]
falli Csiki 15–34 [51]

[49] Key to species, Liljeblad—45.
[51] Liljeblad—45.
[54] Ray—46.
[55] Transferred from Mordellistena by Liljeblad —45.
[56] Key to subfamilies, Liljeblad—45, (with key to genera of Mordellini).

viridescens Lilj. 45–78 Fla.
wenzeli Lilj. 45–79 Ga.
arida Lec. 62–48 Mass.–Va.–Mich. Ariz.
rutila Lilj. 17–10 [51]
knausi Lilj. 45–82 Utah
frosti Lilj. 18–156 Me. Que.[54]
picipennis Smith 82–91 N.Y. Ga. O.
[Tenn.[54]
dietrichi Ray 46–94 Miss.
lateralis Ray 46–95 Ill.
heterocolor Ray 46–96 Fla
splendeus Smith 82–95 N.C.[54] Fla. Ill.
splendens of authors
rufa Lilj. 17–11 Ill. Ala.[54]
mixta Ray 46–97 Ill.
incommunis Lilj. 21–185 Man. Mich.
[Tenn. Ill.
masoni Lilj. 18–157 N.J. Conn.[54] N.C.[54]
fuscipennis Melsh. 46–314 Ill.[54]
vera Lilj. 17–11 Mo. S.C.[54]
gigas Lilj. 17–13 Ill. N.Y.[54] Que.[54]
fusco-atra Helm. 64–105 Ill. N.Y.[54]
smithi Dury 02–177 Md.–Ill.–Ark.[54]
sericans Fall Cal.[54]
incommunis Lilj. Wyo.[54]
terminata Ray 46–48 Okla.
arcuata Ray 46–49 Tex.
neocincta Ray 46–42 Tex. Ariz.
sparsa Champ. 91–335 Mex. Cal.[54]
huachucaensis Ray 46–42 Ariz.
diversa Ray 46–46 Wash. Ore.
humerosa Ray 46–47 Ariz.
smithi Dury 02–177 Md.–Ill.–Ark.[54]
uniformis Ray 46–122 Ill.
idahoensis Ray 46–124 Ida.
neofascia Ray 46–126 Ariz.
infima Lec. 62–49
tiara Ray 36–127 [54]
yumæ Ray 46–127 Ariz. Cal.
leonardi Ray 46–128 Fla. Miss.
fenderi Ray 47–121 Ore.
suturalis Ray 47–124 Tenn.
bihirsuta Ray 47–125 Kan. Ore. Wash.
arizonensis Ray 47–126 Ariz.
pilosella Ray 47–127 Ariz.
Y-notata Ray 47–129 Mich.
malkini Ray 47–130 Fla.

ANASPINI [60]

Diclidia [61]
sexmaculata Lilj. 45–189 Ariz.
obscura Lilj. 45–191 Ariz.
spinea Lilj. 45–193 Ariz.
sordida Lilj. 45–195 Ariz.

Pentaria Muls. 56–391 [61]
(*Anthobates* Lec. 50–231)[54]
(not Gistl, 1847)
(*Anthobatula* Strand 29–23)[54]
bicincta Champ. 90–254 Tex.[54] Ariz.[54]
[Mex.
brunneipennis Champ. 90–253 Tex.[54] Mex.
bicolor Lilj. 18–155 Colo.[54] Tex.

[57] Transferred from Glipodes by Liljeblad—45.
[58] Transferred from Glipodes by Ray—46.
[59] Ray—46, dates these species 1946, but the paper was received at the U.S.N.M. in 1945.
[60] Key to genera, Liljeblad—45.
[61] Key to species, Liljeblad—45.

fuscula Lec. 62–44 Colo.[54] N.M. Tex.
decolor Champ. 91–256 Tex.[54] Mex.

Anaspis [61]
seposita Lilj. 45–211 B.C.
beardsleyi Lilj. 45–214 Cal.
duryi Lilj. 45–216 Cal.

Naucles Champ. 91–257 [61]
pusio (Lec.) 58–76 [62] Utah. Tex.–Cal.
tibialis Champ. 91–257 Cal.[51] Guat.
basalis Champ. 91–257 Tex.[51] Guat.

Silaria Muls. 56–426
revelstokei Lilj. 45–219 B.C.

Larisia Emery 76–13
nigricolor Lilj. 45–221 Alb.

Nassipa Emery 76–13
hoppingi Lilj. 45–222 B.C.

Sphingocephalus Lilj. 45–206
ovalis Lilj. 45–206 Fla.

RHIPIPHORIDÆ

Ripiphorus Fourc. 91–327
(*Rhipiphorus* Bosc 92–293)[63]
dammersi Barb. 39–19 Cal.

Ripidius Thunb. 06–5
(*Rhipidius* of authors)[63]

STYLOPIDÆ [64]

(*Strepsiptera, Xenidæ*)

Diozocera [65]
comstocki Pierce 41–6 W.Anacapa I. [(Cal.)

MELOIDÆ

Epicauta Dej. 33–224
* (*Causima* Dej. 37–248)[66]
(*Henous* Hald. 52–377)[66]
(*Isopentra* Muls. 58–106)[66]
(*Macrobasis* Lec. 58–39)[66]
(*Apterospasta* Lec. 58–39)[66]
(*Nomaspis* Lec. 66–156)[66]
(*Gnathospasta* Horn 75–154)[66]
abadona Skinn. 04–217 Ariz. Mex.
mutchleri Mayd. 34–331 [66]
abandona Mayd. 34–331 [66]
alastor Skinn. 04–217 Colo. Tex. Cal.
insignis Horn 85–110 Tex.–Ariz.
nigritarsis (Lec.) 53–340 Tex. N M.
crassitarsis Mayd. 35–72 Ariz.
pedalis Lec. 66–157 Ariz. L.Cal.
maculata (Say) 23–298 Mo.–N.D.–Tex.–
conspersa Lec. 53–340 [66] [Ariz.
nogales Werner 44–65 Ariz.
normalis Werner 44–65 Mont.–Ariz.–Cal.
phœnix Werner 44–66 Ariz.
pardalis Lec. 66–157 Tex.–Ariz. Mex.
andersoni Werner 44–66 Kan.–Tex.–Ariz.
ventralis Werner 45–444 Colo.
magnomaculata Martin 32–169 Cal.
corvina (Lec.) 58–21 Kan.–Ariz.
nigerrima Dugès 69–162 [66]
funebris Horn 73–102 Kan.–Tex.–N.M.
pensylvanica (Deg.) 75–15 Me.–Fla.–
nigra Woodh. 00–213 [66] [Tex.–
pennsylvanica Lec. 53–329 [66] [Mont.
morio Lec. 53–447 [66]
conferta (Say) 24–281 Iowa-Tex.
techanus (Hald.) 52–377 [66]
parva (Hald.) 52–377 Colo. Kan. Neb.
parvula Hald. 53–40 [66] [Wyo.
fallax Horn 85–111 Nev. Cal.
albolineata (Dugès) 77–64 Ariz. Mex.
duplicata Csy. 91–172 [66]
uniforma Werner 44–67 Colo. Tex. Ariz.
alpina Werner 44–67 Tex. N.M.
mimetica (Horn) 75–154 Tex. Ariz.
brunnea Werner 44–67 Colo. Tex. Ariz.
ingrata Fall 07–258 Colo. N.M. Ariz.
cinerea (Forst.) 71–62 N.H.–S.C.–Ia.
clematides (Woodh.) 00–213 [66]
fissilabris (Lec.) 50–339 Man. L.Sup. H.B.T.
solani Werner 45–457 Atl.St.–Rocky Mts.
floridensis Werner 44–68 N.J. Fla. Miss.
ruidosana Fall 07–258 Tex. Ariz.
punctipennis Werner 44–68 Tex.
balli Werner 44–460 Ariz.
oregona Horn 75–153 Mont.–Colo.–Ariz.–[B.C.
ensiformis Werner 44–68 Cal.
stuarti Lec. 68–54 Kan. Colo. N.M
lemniscata (Fab.) 01–279 N.J.–Fla.–[Tex.–Neb.
vittata (Fab.) 75–260 Me.–N.J.–Iowa
chapmani (Woodh.) 00–214 [66]
occidentalis Werner 44–69 Neb.–La.–Tex.
ferruginea (Say) 23–298 Iowa–Tex.–[Ariz.–Ida.
fortis Werner 44–69 Ariz. N.M.
strigosa (Gyll.) 17–18 Mass.–N.C.–Fla.–
nigricornis (Melsh.) 47–53 [66] [Miss.
batesii Horn 75–153 N.J.–Fla.
callosa Lec. 66–158 Neb.–Tex.
sericans Lec. 66–158 Ala.–Ariz.–Alb.
atrata (Fab.) 75–260 Md.–N.C.–Tex.–
trichrus (Pallas) 89–100 [66] [Neb.
coracina (Ill.) 04–171 [66]
convolvuli Melsh. 48–53 [66]
trichura Wellm. 10–24 [66]
pruinosa Lec. 66–158 Man.–Colo.–Wash.
immerita Walker 66–330 Ore.–B.C.
piceiventris Mayd. 34–327 Colo.–Ida.
elongatocalcarata Mayd. 34–328 [66]
sanguinicollis Horn 74–37 Fla.
puncticollis (Mannh.) 43–288 Cal.–Wash.–[Mont.
oblita (Lec.) 51–162 Cal.
barberi Werner 44–69 Cal.
kansana Werner 44–70 Kan.
calcarata Werner 44–70 Tex. N.M.
heterodera Horn 91–43 Ga.–Fla.–Miss.
watsoni Blatch. 18–58 [66]
californica Werner 45–479 Cal.
maura || (Lec.) 51–162 [66]

[62] Transferred from Anaspis by Liljeblad—45.
[63] Barber—39.
[64] Not a separate order, Blackwelder—45.
[65] Transferred to Halictophagidæ by Pierce—41.
[66] Werner—45; revision of genus.

alphonsii Horn 74–38 Cal.
caviceps Horn 73–99 Utah, Ariz.
impressifrons VanD. 29–12 Cal.
rileyi Horn 74–37 Ariz. Mex.
straba Horn 91–42 Cal. ?Wash.
foxi VanD. 29–127 [66]
excavatifrons Mayd. 34–330 Fla.–Ala. [Miss.
rehni Mayd. 34–329 Ariz.
wheeleri Horn 73–101 Ariz.
diversipubescens Mayd. 34–333 Tex. N.M.
aspera Werner 44–70 Colo.–Tex.–Ariz.
immaculata (Say) 23–304 Ind.–Tex.–N.M.
articularis (Say) 23–304 [66]
fulvescens (Lec.) 53–447 [66]
segmenta (Say) 23–303 Neb.–Tex.–Ariz.
segmentata (Lec.) 53–342 [66]
valida (Lec.) 58–39 [66]
sublineata (Lec.) 53–447 Tex. Mex.
megacephala Champ. 92–402 [66]
lauta (Horn) 85–108 Tex.–Cal.
tenella (Lec.) 58–23 Tex.–Ariz.
merkeliana Horn 91–43 Ariz. Mex.
ochrea (Lec.) 53–342 Tex.–Cal. Mex.
protarsalis Dugès 78–63 [66]
gissleri Horn 78–58 N.M. Ariz.
parkeri Werner 44–71 Ariz.
fabricii (Lec.) 53–343 Me.–Ga.–N.M.–
cinerea || (Fab.) 98–119 [66] [Man.
debilis (Lec.) 53–344 [66]
unicolor of Horn 73–92 [66]
murina (Lec.) 53–344 N.B.–Mont.–Colo.
unicolor || (Kby.) 37–241 [66]
subglabra (Fall) 22–173 Man.–Ida. ?Ariz.
flavocinerea (Blatch.) 10–1359 Ont.–Tex.
languida (Horn) 95–252 L.Cal.
tenuilineata (Horn) 94–436 Ariz. Mex.
excors (Fall) 09–166 L.Cal.
tenuis (Lec.) 53–343 Ga. Fla.
purpurea (Horn) 85–108 Ariz.
polingi Werner 44–71 Tex.–Ariz.
liebecki Werner 44–72 Ariz. Mex.
arizonica Werner 44–72 Ariz. Mex.
torsa (Lec.) 53–343 Mass.–Fla.–Tex.
longicollis (Lec.) 53–343 Tex.–Cal.
atrivittata (Lec.) 54–224 Tex. N.M. Mex.
albida (Say) 23–305 Okla.–N.M.–Colo.
luteicornis Lec. 54–84 [66]
texana Werner 44–73 Tex.
virgulata (Lec.) 66–156 Tex.–L.Cal. Mex.
hirsutipubescens Mayd. 34–334 [66]
linearis (Lec.) 58–23 Tex. N.M.
maculifera (Mayd.) 34–335 Ariz.
(levettei Csy. 91–171 Not N.Amer.[66])

* * *

trichrus
convolvuli (Melsh.) 46–53 (not 48–53)[67]
strigosa
nigricornis (Melsh.) 46–53 (not [48–53)[67]

Macrobasis
fabricii Lec. 53–343 [69]

[66] Werner—45; revision of genus.
[67] Parker in litt.
[68] W. J. Brown—40.
[69] See also under Epicauta, above.
[70] Maehler—39.
[71] Key to species, Werner—43.
[72] Key to species, Linsley—42.

cinerea Fab. 98–119 [68]
debilis Lec. 53–344 [68]
unicolor of authors [68]
murina Lec. 53–344 [69]
unicolor Kby. 37–241 (part)[68]
subglabra Fall 22–173 [69]
murina Fisher 19–1 (part)[68]

Lytta
agrestis Fall Ariz.[70]
cribrata Lec. Ariz.[70]
nevadensis VanD. 47–155 Nev.
rathvoni Lec. 53–335 (not 56–335)[67]

Tetraonyx
frontalis Chevr. 34–14 (not 33–14)[67]

Pleuropompha Lec. 62–273 [71]
* costata Lec. 54–84 Tex. N.M. Ariz.
tricostata Werner 43–32 Tex. N.M. Ariz.

Hornia Riley 77–564 [72]
(*Leonia* Dugès 89–211)[73]
(*Leonidia* Ckll. 00–11)[73]
neomexicana (Ckll.) 99–416 Kan.–Tex.–
gigantea Wellm. 11–16 [73] [N.M.
anthophoræ Mickel 28–38 [73]
minutipennis Riley 77–564 D.C. Mo. [Mont.
s.occidentalis Linsley 42–176 Cal.
boharti Linsley 42–177 Cal.

PYTHIDÆ

Cononotus [74]
bryanti VanD. 39–18 Ariz.
lanchesteri VanD. 39–19 Ida. Utah

PYROCHROIDÆ

Ischalia
californica VanD. Cal.[75]

Dendroides
marginata VanD. 28–259
pacificus Barrett 32–171 [76]

ANTHICIDÆ

Notoxus
murinipennis (Lec.) 24–170 [77]
bicolor Say 17–pl.4 [77]
(not Olivier, 1795)

CEBRIONIDÆ

Cebrio
abnormis Werner 43–34 Ariz.
atokanus Werner 43–35 Okla.
bruesi Werner 43–36 Ariz.

[73] Linsley—42.
[74] Key to species, Van Dyke—39.
[75] Linsley & Michener—43.
[76] Van Dyke—39.
[77] Corrected synonymy and citations, Barber —41.

ELATERIDÆ

Plastocerinæ [78]

Plastocerus
campanulatus VanD. 46–82 Cal.
gracilior VanD. 46–82 Tex.
jeffersonianus Knull 41–381 Tex.
coronadi Knull 41–381 N.M.

Euthysanius [78]
wagneri VanD. 43–42 Cal.

Aplastus [78]
piceus VanD. 43–43 Cal.
acutus Knull. 46–142 Ida.

* * *

Lacon Lap. 36–11 [79]

Adelocera Latr. 29–401 [79] [80]
mexicana Cand. 57–70 ?Fla. Ariz. Mex.
nobilis Fall 32–58 [81]

Conoderus Esch. 29–31
(*Conoderes* Leng & M. 33–83)
HETERODERES Latr. 34–155
laurentii Guér. 38–31 [81] [82] Fla. Ala. Cal. [S.A.
amplicollis of VanD. 32–298 [81] [82]
attenuatus Cand. 59–373 [81]
fuscosus Blatch. 25–163 [82]
fucosus VanD. (Fall 34–9)[82]
planidiscus Fall 29–56 [82]
arizonicus VanD. 39–11
bicarinatus VanD. 32–297 [81] [82]
(not Reitter, 1891)
duplicatus VanD. 43–44

Limonius
meridianus Knull 47–177 Ohio
pubicollis Lec. 53–429 [83] Fla.–Tex.
olentangyi Knull 47–179 Ohio
infuscatus Mots. 59–371 ?Ariz.[81] Cal.–[Wash.
canus Lec. 53–433 [81] Cal. Wash.
discoideus Lec. 61–348 [81]
cribriceps VanD. 43–44 Cal.
arizonicus VanD. 43–45 Ariz.
rufihumeralis Lane 41–133 Alb.–Ore.
lanchesteri Lane 41–135 Ida.
humidus Lane 41–137 Ore. Wash.

Denticollis P. & M. 83–86 [84]
(*Lepturoides* Hbst. 84–103)[84]

Ctenicera Latr. 29–403 [84]
(*Ludius* Esch. 29–34)[84]
sierræ (VanD.) 43–48 Cal.
nigricans (Fall) 10–135 [85] Cal.
rotundicollis (Say) 25–259 Vt.–Ind.
s.diversicolor (Esch.) 29–34 [86] Cal.
laricis (W.Brown) 39–46 B.C.
comes (W.Brown) 39–48 B.C. Ore.
captiosus (W.Brown) 39–49 Ida.
angusticollis Mannh. 43–241 (not 43–271)[87]
robinsoni (Knull) 47–180 Tex.

Hypolithus Esch. 29–33 [84]
(*Cryptohypnus* Esch. 36–105)[84]
(*Hypnoidus* Steph. 30–200)[84]

Dalopius
allegheniensis Knull 47–90 Pa. Ohio
ohioensis Knull 47–91 Ohio

Melanotus
longulus Lec.[85]
oregonensis Lec.[85]
oregonus VanD. 43–51

MELASIDÆ

Isorhipis B. & L. 35–620 [88]
obliqua (Say) 39–187
ruficornis of authors [89]

Fornax
orchesides Newm. 38–384
molestus Bonv. 70–376 [90]
canadensis Brown 40–184 Ont.

Dirhagus Latr. 34–130
(*Hyporhagus* Rttr. 21–81, subg.)[91]
(*Microrhagus* B. & L. 35–620)[91]
wrighti Knull 46–246 Fla.
imperfectus (Lec.) 52–48 Mass.–Ohio [92]

Hylis Gozis 86–21
(*Hylus* VanD. 43–51)
HYPOCŒLUS Esch. 36–4 [81]
robustus VanD. 43–51 Cal.
arizonicus VanD. 45–103 Ariz.

BUPRESTIDÆ

Acmæodera
holsteni White 39–71 Cal.
perlanosa Timb. 39–179 Cal.
palmarum Timb. 39–181 Cal.
perforata Cazier 40–17 Tex.
inyoensis Cazier 40–18 Nev.[99] Cal.
fisheri Cazier 40–19 Cal.
ligulata Cazier 40–20 N.M. Ariz.
parkeri Cazier 40–22 Ariz. Mex.
discalis Cazier 40–24 Ariz. Tex.
pullata Cazier 40–57 Cal.
barri Cazier 40–58 Cal.
tuta Horn 78–11 Nev.[99]
duboisi Cazier 38–138 [93]
paradisjuncta Knull 40–36 Tex. Mex.
gillespiensis Knull 41–98 Tex.
adenostomensis Knull 41–691 Cal.
curtilata Knull 41–692 Cal.

[78] Transferred from Cebrionidæ by Van Dyke —43.
[79] Transpose these two names, Dietrich—45 and M. C. Lane in litt.
[80] Placed in subfamily Elaterinæ by Van Dyke —43.
[81] Van Dyke—43.
[82] Van Dyke—39.
[83] Valid species, Knull—47.
[84] Dietrich—45 and M. C. Lane in litt.
[85] Valid species, Van Dyke—43.
[86] Valid subspecies, Van Dyke—43.
[87] W. J. Brown—39.
[88] Citation from Blackwelder—44.
[90] W. J. Brown—40.
[91] Blackwelder—44.
[92] Knull—46.
[93] Cazier—40.
[99] Barr—41.

yumæ Knull [94] Ariz. Cal.[99]
ephedræ Barr 42–113 Cal.
linsleyi VanD. 43–101 Cal.
moronga VanD. 43–102 Cal.
lucana VanD. 42–103 L.Cal.
lagunæ VanD. 45–104 L.Cal.
transversa VanD. 45–105 L.Cal.
nautica VanD. 45–106 Cal.
fisheri Cazier
v.vermiculata Knull 47–174 Ariz. Cal.
opacula Lec. 58–82 N.M.[99]
amabilis Horn 78–7 [93]
cribricollis Horn 94–375 Nev.[99] Ariz. Cal.
barreæ Fall 07–241 [93]
conata Lec. 58–70 Ariz.[99]
comata Lec. 63–43
acuta Lec. Utah [99] Ore.[95]
angelica Fall Ore.[95 1]
v.nexa Fall 22–89 [98] Ore.[95 99]
bishopiana Fall Ore.[95]
fenyesi Fall Ore.[95]
gemina Horn Ariz.[99] Nev.[99] Ore.[95]
hepburni Lec. Ore.[95]
labyrinthica Fall Nev.[99] Ore.[95]
mariposa Horn Ore.[95]
plagiaticauda Horn Ore.[95 1 99]
sinuata
v.sexnotata VanD. Ore.[95]
purshiæ Fisher Utah [99] Nev.[99] Cal.[2] Ore.[95]
purschiæ Beer 44–108
vandykei Fall Nev.[99] Ore.[95]
variegata Lec Ore.[95]
varigata Beer 44–109
flavomarginata Gray L.Cal.[96 99]
scapularis Horn L.Cal.[96]
adenostomae Cazier 39–137 Cal.
biedermani Skinn. Cal.[99]
cribricollis Horn Nev. Ariz. Cal.[99]
dolorosa Fall Utah [99]
flavosticta Horn L.Cal.[99]
gemina Horn 78–23 Ariz. Nev.[99]
wickenburgana Knull 39–28 Ariz.
gibbula Lec. Tex.[99] L.Cal.[96 99] Mex.[99]
hepburni Lec. Nev.[99]
hulli Knull Cal. Ariz. Mex.[99]
insignis Horn Cal.[97 99] Ariz.[99]
junki Théry Cal. Ariz. Tex.[99]
lanata Horn Nev.[99]
latiflava Fall Nev.[99]
lucia Fall N.M. Utah [99]
quadrivittata Horn N.M. Colo. Utah Mex.[99]
robusta Horn Nev.[99]
v.rubrosuffusa Fall Nev.[99]
s.duboisi Cazier 39–138 Cal.
sabinæ Knull Cal.[99]
vulturei Knull Ariz.[99]
bivulnera Horn Ariz. Mex.[99]
bowditchi Fall Tex. Utah [99]

[94] Not a variant of aurora Fall, as supposed by Cazier, Knull—41.
[95] Beer—44.
[96] Van Dyke—45.
[97] Timberlake—39.
[98] White—39.
[99] Barr—41.
[1] Beer—40.
[2] Linsley & Michener—43.
[3] Transferred from Acmæodera by Van Dyke —42.

disjuncta Fall Tex.[99]
falli Kerr. Tex.[99]
opacula Lec. N.M.[99]
rossi Cazier Ariz. Cal.[99]
jaguarina Knull Ariz. Cal.[99]
pinalorum Knull 30–15 Ariz. Cal.[99]
sinuata VanD.
v.sexnotata VanD. Ore.[99]

Acmæoderoides VanD. 42–108
insignis (Horn) 94–377 [3] Cal. L.Cal.

Paratyndaris
grassmani Parker 47–31 Ariz.
olneyæ Skinn. Ariz. L.Cal.[4] Cal.[4]
olneya VanD. 45–109
s.crandalli Knull 41–694 Tex.
albofasciata Knull L.Cal.[4]

SCHIZOPINI [5 8]

Schizopus [6]
* (*Yermoëlla* Obenb. 39–263)[7]
lætus Lec. 58–70
helferi (Obenb.) 39–264 [7]
sallei Horn 85–145

Glyptoscelimorpha Horn 93–137
* marmorata Horn 93–137
viridis Chamb. 31–47

Dystaxia Lec. 86–385
* elegans Fall 05–71

Dystaxiella Knull 40–362
* juniperæ Knull 40–362 Cal.
murrayi Lec. 66–385
lecontei Thoms 79–6 [7]
s.cuprea Knull 47–72 Cal.

* * *

Agæocera
gentilis Horn. Tex. N.M. Mex.[4]
s.peninsularis VanD. 45–107 L.Cal.

Hippomelas
carolinensis Horn 83–288 (not 76–288)[9]
femorata Knull 41–386 Cal.
pygmæa Knull 41–386 Tex.
brunneata Knull 47–210 Cal.
NANULARIA Csy. 09–172 [10]
granulatus VanD. 42–111 L.Cal.
inyoensis VanD. 42–112 Cal.
cupreofusca (Csy.) 09–173 [10] Cal.
californica (Horn) 75–147 [10] Cal.

Dicerca [11]
divaricata (Say) 23–163 (not 23–13)[9]
querci Knull 41–694 Cal.
s.cajonensis Knull 44–90 Cal.
strandtmanni Knull 47–174 Tex.

Hesperorhipis [11a]
hyperbolus Knull 38–137 Ariz.
s.californicus Knull 47–70 Cal.

[4] Van Dyke—45.
[5] Key to tribe, Obenberger—39.
[6] Key to species, Cazier—39.
[7] Cazier—41.
[8] Rearrangement, Cazier—41.
[9] W. J. Chamberlin in litt.
[10] Transferred from Buprestini, Van Dyke—42.
[11] In 4th Supplement, footnote 8 should read Van Dyke—34.
[11a] Obenberger—39; revision.

Cinyra
cuprescens Knull 40–363 Ariz.
roburella Knull 41–99 Tex.

Buprestis L. 58–408
* (*Ancylochira* Esch. 29–9)[12]
(*Gymnota* Gistl 34–10)[12]
(*Anoplis* Kby. 37–151)[12]
(*Sterosa* Csy. 09–116, subg.)[12]
(*Cypriacis* Csy. 09–116, subg.)[12]
apricans Hbst. 01–125 N.Y.–Fla.–Tex.
nigricornis (Sturm) 26–105 [12]
aciculata Dej. 37–88 [12]
bosci L. & G. 37–146 [12]
cribripennis Csy. 09–127 [12]
decora (Fab.) 75–217 N.J.–Fla.–Tex.
salisburyensis (Hbst.) 01–174 Mass.–Ga.–[Wis.
ultramarina Say 36–160 [12]
decora of Csy. 09–127 [12]
s.cazieri Helfer 46–100 NY. N.J.
aurulenta L. 67–661 Wyo.–Mex.–Cal.–[B.C.
lauta (Lec.) 54–17 [12]
radians (Lec.) 54–17 [12]
villosa (Lec.) 73–331 [12]
fabulosa Csy. 09–120 [12]
æmula Csy. 09–121 [12]
tacomæ Csy. 09–121 [12]
nupta Csy. 09–122 [12]
venusta Csy. 09–122 [12]
prospera Csy. 09–123 [12] [13]
affinis Csy. 09–123 [12]
adulans Csy. 09–123 [12]
bicostata Dej. 37–88 [12]
chrysochlora (Phil.) 64–314 [12]
sulcicollis (Lec.) 59–209 N.S.–N.J.–Que.
lateralis Csy. 09–119 [12]
striata (Fab.) 75–217 Que.–Fla.–Tex.–[Ont.
obscura Csy. 09–125 [12]
impedita Say 36–160 [12]
canadensis Csy. 09–124 [12]
intricata Csy. 09–118 Wyo. N.M. Cal.[B.C.
contortæ Hopp. 33–84 [12]
murrayanæ Hopp. 34–174 [12]
adjecta (Lec.) 54–17 Wyo.–N.M.–Cal.–[B.C.
brevis Csy. 09–117 [12]
connexa Horn 75–148 Nev. Cal.–Wash.
langi (Mannh.) 43–237 H.B.T.–N.M.–[Cal.–B.C.
ornata Walk. 66–324 [12]
bistrinotata Csy. 09–108 [12]
angusta Csy. 09–108 [12]
callida Csy. 09–108 [12]
fastidiosa Csy. 09–109 [12]
mediocris Csy. 09–109 [12]
crenata Csy. 09–110 [12]
seditiosa Csy. 09–110 [12]
leviceps Csy. 09–110 [12]
depressa Csy. 09–111 [12]
viridimicans Csy. 09–111 [12]
incolumis Csy. 09–112 [12]
oregona Csy. 09–112 [12]
obliqua Csy. 09–113 [12]
patruelis Csy. 09–113 [12]
graminea Csy. 09–113 [12]
fasciata (Fab.) 87–177 Que.–Ga.–Wis.
sexmaculata Hausm. 99–30 [12]
sexplagiata (Lec.) 59–205 [12]
lherminieri Chev. 38–68 [12]
fulgens Csy. 09–107 [12]
fortunata Csy. 09–107 [12]
saturata Csy. 09–114 [12]
lineata (Fab.) 75–217 N.S.–Fla.–Tex.–Ind.
davisi Nic. & W. 18–95 [12]
maculipennis Gory 40–118 N.J.–Fla.–Tex.
inconstans Melsh. 46–146 [12]
deficiens Csy. 09–91 [12]
fusiformis Csy. 09–91 [12]
reducta Csy. 09–92 [12]
scripta Csy. 09–92 [12]
leporina Csy. 09–92 [12]
maculativentris Say 24–272 N.S.–Pa.–[Okla.–Man.
sexnotata L. & G. 37–129 [12]
maculiventris G. & H. 69–1378 [12]
maura L. & G. 38–131 [12]
subornata (Lec.) 59–208 Kan.–Cal.–B.C.
punctiventris Csy. 09–99 [12]
rubronotans Csy. 09–97 [12]
violescens Csy. 09–99 [12]
adonea Csy. 09–97 [12]
histrio Csy. 09–98 [12]
rusticorum (Kby.) 37–151 Man.–Tex.–[Cal.–
paganorum (Kby.) 37–152 [12] [B.C.
lecontei Saund. 71–40 [12]
acomana Csy. 09–101 [12]
morosa Csy. 09–101 [12]
fusca Csy. 09–101 [12]
sublivida Csy. 09–102 [12]
caliginosa Csy. 09–102 [12]
nigricans Csy. 09–102 [12]
lyrata Csy. 09–103 [12]
adducta Csy. 09–103 [12]
nuttalli (Kby.) 37–152 Me.–Va.–Cal.–[Alas.
consularis Gory 40–120 [12] [13]
alternans (Lec.) 59–207 [12]
conicicauda Csy. 09–93 [12]
diruptans Csy. 09–94 [12]
contorta Csy. 09–95 [12]
gravidula Csy. 09–95 [12]
torva Csy. 09–96 [12]
boulderensis Csy. 09–96 [12]
flavopicta Csy. 09–96 [12]
s.læviventris (Lec.) 57–43 Ariz. Cal.–[Wash.
pugetana Csy. 09–94 [12]
dilatata Mots. (Lec.) 73–331 [12]
rufipes (Oliv.) 90–16 Pa.–Fla.–Tex.–Kan.
virens Csy. 09–105 [12]
elongata Csy. 09–105 [12]
gibbsi (Lec.) 57–42 Cal.–Wash.
viridisuturalis Nic. & W. 18–100 Cal. Ore.
parallela Obenb. 22–92 [12]
parallella Helfer 41–177
lesnei Garnett 22–9 [12]
fremontiæ Burke 24–70 Cal.
confluenta Say 23–159 Que.–B.C.–Tex.–
confluens (Lec.) 59–206 [12] [Cal.
tesselata Csy. 09–104 [12]

Xenorhipis [11a]
vejdovskyi Obenb. 39–338 Conn.

Juniperella Knull 47–69
mirabilis Knull 47–69 Cal.

[12] Helfer—41; revision of genus. (Parentheses are copied from this paper; they appear to be misapplied.)

[13] Considered a valid species by Knull—47.

Melanophila [14]
intrusa Horn 82–105 Ore.[15]
occidentalis Obenb. 28–209 Ore.[15]
notata L. & G.
a.sloopi Obenb. 44–318 Fla.
a.elegans Sloop [14a] Ariz.
a.horniella Obenb. 44–318 Ga.
a.paupera Obenb. 44–318 N.C.
a.opaca Lec.[14a] Ga. Fla.
consputa Lec.
a.franciscana Obenb. 44–318 Cal.
a.occitanea Obenb. 44–318 Cal.
a.chamberlini Obenb. 44–318 Cal.
a.isolata Obenb.[14a] Cal. Ariz.
a.monochroa Obenb.[14a] Cal.
PHAENOPS
californica VanD.
a.tetrastictula Obenb. 44–319 Cal.
a.monostigma Obenb. 44–319 Cal.
a.vandykeana Obenb. 44–319 Cal.
horni Obenb. 44–319 N.Y.
a.immaculatella Obenb. 44–319 N.Y.
fulvoguttata Harris
a.octospilota L. & G.[14a]
a.pacifica Obenb. 44–320 Cal.
a.harrisi Obenb. 44–320 Pa.
a.decolorata L. & G.[14a] Cal.
drummondi Kby.
a.plagifera Obenb. 44–320 Cal.
a.lanchesteri Obenb. 44–320 Cal. Ore.
a.nicolayi Obenb. 44–320 N.H.
a.quirsfieldi Obenb. 44–320 Ore.
a.monostictula Obenb. 44–320 Cal.
a.tristicula Obenb.[14a]
s.abietis Ch. & Kn.[14a]
lecontei Obenb.
a.oregonica Obenb. 44–321 Ore.
a.burkei Obenb. 44–321 Ore. Kan.
caseyi Obenb. 44–321 Cal.
vandykei Obenb. 44–321 Cal.

Anthaxia
californica Van Dyke 18–54 [15]
oregonensis Obenb. 42–127 Ore.
wallowae Obenb. 42–128 Ore.
neofunerula Obenb. 42–129 N.H.

Chrysobothris [19]
lixa Horn 86–101 (not 86–108)[16]
cyanella Horn Ore.[15]
calcarata Chamb. Ore.[15]
quadrilineata Lec. Cal.[17]
debilis Lec. 59–236 Ohio Tex.–Cal.
disjuncta Lec. 59–236 [18]
v.lateralis Waterh. 89–47 Tex. L.Cal. [Mex.[18]
rossi VanD. 42–117 L.Cal.
michelbacheri VanD. 42–120 L.Cal.
martha VanD. 42–122 L.Cal.
chamberlini Fisher 42–40
calcarata || Chamb. 38–12 [19]
atriplexæ Fisher 42–45 Cal.
prosopidis Fisher 42–70 Tex. Ariz.
helferi Fisher 42–92 Cal.
neopusilla Fisher 42–102 Va.–W.Va. N.C.
hubbardi Fisher 42–174 Fla.
wickhami Fisher 42–209 Ariz.
fiskei Fisher 42–221 Tex.
ephedræ Knull 42–390 Tex. N.M.
culbersoniana Knull 43–34 Tex.
crandalli Knull 43–34 Ariz.
paragrindeliæ Knull 43–42 Cal.
verdevallis Fisher 43–202 Ariz.
santarosæ Knull 47–70 Cal.
distincta Gory Cal.[19a]
chamberlini Obenb. 40–93 Cal.
vandykeana Obenb. 40–94 Cal.
pseudoacutipennis Obenb. 40–94 Tex.
acutipennis || Horn 86–104

Actenodes [19]
simi Fisher 40–176 R.I.–Tex.

Agrilus
politus (Say) 25–251 (not 25–241)[16]
derasofasciatus B. & L. 35–613 N.Y.[20] [Eur.
hualpaii Knull 39–30 Ariz.
catalinæ Knull 40–556 Ariz.
limpiæ Knull 41–283 Tex.
cliftoni Knull 41–382 Ohio.
patagoniensis Knull 41–384 Ariz.
davisi Knull 41–385 Tex.
peninsularis VanD. 42–126 L.Cal.
diospyroides Knull 42–390 Tenn.
frisoni Fisher 43–201 Tex.
palmerleei Knull 44–76 Ariz.
amelanchieri Knull 44–80 Ariz.
cladrastis Knull 45–80 Ky.
chalcogaster VanD. 46–83 Cal.
gillespiensis Knull 47–70 Tex.

Pachyschelus
uvaldei Knull 41–387 Tex.

Taphrocerus
agriloides Cr. 73–96 (not 73–76)[16]
schæfferi N. & W. Ariz. L.Cal. Mex.[21]
huachucanus Knull 44–90 Ariz. N.M.
mercedensis White 47–182 Cal.

Mastogenius [11a]
knulli Obenb. 39–79 Tex.

ELMIDÆ

Stenelmis
sandersoni Musgr. 40–48
tarsalis Sandn. 38–675 (not Delève, 1937)

Elmis
thermarum Darl. 28–5 Nev.[22]

DASCILLIDÆ

Eurypogon
harrisi (Westw.) 62–374 [23] Que.–Va.– [Mich.
lineato-punctatus (Westw.) 62–375 [24]

[14] 4th Suppl. reference in footnote 16 should be Obenberger—36.
[14a] Obenberger—44.
[15] Beer—40.
[16] W. J. Chamberlin in litt.
[17] Linsley & Ross—40.
[18] Van Dyke—42.
[19] Fisher—42; revision of genus.
[19a] Obenberger—40.
[20] Malkin—41.
[21] Van Dyke—45.
[22] Not Oregon, La Rivers in litt.
[23] Valid species, Brown—44.
[24] Brown—44.

HELODIDÆ

Helodes
aquatica Blais. 40–190 Cal.

DERMESTIDÆ [28]

Byturinæ [25]

Byturellus Barber 42–14 [25]
* grisescens (Jayne) 82–345
inflatulus Csy. 16–177 [25]
s.grisescens s.str. Cal.
s.dubius Barber 42–15 Ore.

Byturus Latr. 96–69 [25]
* sordidus Barb. 42–18 N.H.–N.C.–Ind.
rubi Barber 42–18 Que.–Md.–Alb.
bakeri Barb. 42–20 Wash. ?B.C.
unicolor Say 23–127 N.Y.–Mich.–Tex.–
americanus G. & H. 68–912 [25] [S.C.
punctatus Csy. 06–178 [25]
?brevicollis Csy. 16–179 [25]

Dermestinæ [28]

Dermestes [29]
maculatus Deg. 74–223 Cosmop.
vulpinus F. 81–64 [30] [31]
marginatus Thunb. 81–7 [30]
senex Germ. 24–84 [30]
lateralis Sturm 26–130 [30]
elongatus Hope 34–55 [30] [31]
lupinus Er. 43–206 [30]
semistriatus Boh. 51–583 (part)[30]
rattulus M. & R. 68–30 [30]
sudanicus Gredl. 77–506 [30]
ater Deg. 74–233 Cosmop.
cadaverinus F. 75–55 [30] [31]
piceus Thunb. 81–8 [30] [31]
felinus F. 87–3 [30] [31]
domesticus Germ. 24–83 [30]
semistriatus Boh. 51–583 (part)[30]
hispidulus Montr. 60–264 [30]
chinensis Mots. 66–168 [30]
subcostatus Murr. 67–22 [30] [31]
noxius M. & R. 68–55 [30]
fararcqui Godard 83–383 [30]

Attageninæ [28]

Attagenus

Novelsis

Dearthrus

Trinodinæ [28]

Apsectus

Thylodriinæ [28]

Thylodrias Mots. 39–75 [26]
(*Thelydrias* Agassiz 46–162)[27]
(*Ignotus* Slosson 03–183)[27]
(*Hospitopterus* Pic 21–54)[27]
contractus Mots. 39–76
ænigmaticus Slosson 03–183 [27]
efflatouni Pic 21–54 [27]

Anthreninæ [28]

MEGATOMINI [28]

Perimegatoma
vespulæ Milliron 39–570 Minn.

Trogoderma

Acolpus

Thaumaglossa

Cryptorhopalum

ANTHRENINI [28]

Anthrenus

OSTOMIDÆ

Nemozoma [32]
cupressi VanD. 44–147 Cal.

Pseudocotomus VanD. 44–152
mclayi VanD. 44–153 Cal.

Corticotomus [32]
apicalis VanD. 44–151 Cal.

NITIDULIDÆ [33] [34]

Cateretinæ [35]

Cateretes Hbst. 93–11
* (*Kateretes* Hbst. 93–11)[33]
(*Cercus* Latr. 96–68)[33]
(*Anisocera* Steph. 32–438)[33]
(*Anomæocera* Shuck. 40–25)[33]
PULION Gozis 86–12 [33]
pennatus (Murr.) 64–235 Que.–N.C.–B.C.
crinitus (Murr.) 64–235 [33]
sericans (Lec.) 59–69 Wash.–Cal. Ariz.
[Mex.
CATERETES s.str.
scissus Parsons 43–138 Mass. Alb.
bipustulatus of authors [33]

Boreades Parsons 43–139
* (*Cercometes* of authors)[33]
abdominalis (Er.) 43–229 Can.–Ga.–Tex.

Brachypterus Kugel. 94–560
(*Virbius* Gozis 86–11)[33]

[25] Barber—42; revision of subfamily.
[26] An alternative synonymy given by Barber—47 is now known to be unnecessary.
[27] Barber—47.
[28] Classification of family, Rees—43.
[29] Key to larvæ, Rees—47.
[30] Lepesme—39.
[31] Barber—42.
[32] Key to species, Van Dyke—44.
[33] Parsons—43; revision of family.
[34] Key to subfamilies, Parsons—43.
[35] Key to genera, Parsons—43.

Braehypterolus
pulicarius (L.) 58–357
mordelloides Notm. 20–29 [33]

Amartus Lec. 63–343
(*Brachyleptus* Mots. 70–352, not 1845)[33]

Anthonæus

Carpophilinæ [35]

Conotelus

Braehypeplus Er. 42–148
(*Nitidulopsis* Walker 58–206)[33]

Colopterus
truncatus (Rand.) 38–18
infimus (Er.) 43–245 [33]
obliquus (Lec.) 58–62 [33]
limbatus (Lec.) 58–62 [33]
gerhardi Dodge 39–290 Ill.

Carpophilus [36]
UROPHORUS Murr. 64–342 [33]
humeralis (Fab.) 98–74 Cosmop.
picinus Boh. 51–560 [33]
foveicollis Murr. 64–344 [33]
rickseckeri Fall 10–124 [33]
CARPOPHILUS s.str.
pallipennis Say 23–194 Alb.–Fla. L.Cal.
pollens Shp. 89–300 [33] [Mex.
pallens Leng 20–195 [33]
nigrovittatus Parsons 43–167 Ariz. Mex.
sayi Parsons 43–171 Que.–Ga.–N.M.–[Man.
obsoletus Er. 43–259 Cal.[33] Old World
cribellatus Mots. 58–41 [33]
strigipennis Mots. 58–41 [33]
funereus Rttr. 84–259[33]
brevipennis (Blanch.) 42–64 Tex.–Ariz.
lacertosus Murr. 64–354 [33] [C.A.
purpureipennis Murr. 64–354 [33]
ignobilis Fall 10–124 [33]
dimidiatus (F.) 92–261 Que.–Fla.–Cal.
luridus Murr. 64–377 [33] [Cosm.
mutilatus Er. 43–258 [33]

Nitidulinæ [35]

Haptoncus [37] [38]
californicus Gillogly 46–22 Cal.

Epuræa Er. 43–267 [39]
(*Dadopora* Thoms. 59–68)[33]
(*Epuræanella* Cr. 74–76)[33]
(*Omisphora* Rttr. 75–56)[33]
(*Micrurula* Rttr. 84–209)[33]
(*Micruria* Rttr. 74–58)[33]
liebecki Parsons 43–189 Ariz.
obtusicollis Rttr. 73–24 Que.–N.C.–Cal.–
ovata Horn 79–298 [33] [Alb.
flavomaculata Mäkl. 53–205 [40] N.H.–
depressa of authors [33] [N.M.–Alas.
depressa (Ill.) 98–386
æstiva (Fab.) 75–77 [33]
convexiuscula Mannh. 43–255 [33]
populi Dodge 39–288 Mich. Minn.

Orthopeplus

Stelidota [39]
octomaculata (Say) 25–181
biseriata Rttr. 74–15 [33]

Omosita
discoidea (Fab.) 75–78
cincta Heer 41–396 [33]

Nitidula
flavomaculata Rossi 90–58 [41] Me.–D.C.
flexuosa Oliv. 90–7 [33] [Cal. Eur.
carnaria (Schall.) 83–257 [33] Mass.–Cal.
[Eur.

Prometopia

Lobiopa Er. 43–291
(*Cerophorus* Cast. 40–10, part)[33]
(*Soronia* Rttr. 73–46, part)[33]
insularis Cast. 40–10
contaminata Er. 43–296 [33]
decumana Er. 43–295 [33]
dimidiata Er. 43–295 [33]
grandis Er. 43–294 [33]

Soronia

Phenolia

Amphotis

Thalycra

Perthalycra

Quadrifrons

Pocadius

Camptodes Er. 43–321 [39]
* EUCAMPTODES Shp. 90–327
texanus Schffr. 04–203 Tex.
gaumeri Shp. 90–330 Tex.[33] Mex.
nigerrimus Parsons 43–241 Ariz.

Amphicrossus Er. 43–346 [39] [42]
(*Lobostoma* Fairm. 92–90)[33]
(*Rhacostoma* Berg 98–18)[33]

Cychramus Kugel. 94–543
(*Campta* Steph. 30–30)[33]

Pallodes
pallidus (Beauv.) 05–157
silaceus Er. 43–350 [33]

Cyllodes Er. 43–342
(*Strongylus* Hbst. 92–179, not (*Stronglus* Parsons 43–247) [Müll.)[33]
(*Volroxis* Kugel. 94–355)[33]
(*Pseudocamptodes* Grouv. 96–76)[33]

Oxyenemus

[33] Parsons—43; revision of family.
[35] Key to genera, Parsons—43.
[36] Key to subgenera, Parsons—43.
[37] Transferred to Carpophilinæ by Gillogly—47.
[38] Returned to Nitidulinæ by Parsons in litt.
[39] Key to species, Parsons—43.
[40] Distinct species, Dodge—39 and Parsons—43.
[41] An introduced species, Dodge—39 and Parsons—43.
[42] Key to species, Parsons—39.

Meligethinæ

Meligethes Steph. 30–30 [39]
* ACANTHOGETHES Rttr. 71–49
pinguis Horn 79–314 Nfld.
MELIGETHES s.str.
sævus Lec. 59–6 Tenn.–N.M.–Mont.
seminulum Lec. 57–37 Mass.–Y.T.–Ore.
æneus (Fab.) 75–78 Me.–Tenn. N.M.–[B.C.
brassicæ Rttr. 75–16 (not Scop.)[33]
moerens Lec. 57–37 [33]
rufimanus Lec. 57–37 [33]
californicus Rttr. 71–33 [33]
mutatus Harold 68–827 N.Y.–Cal.
ruficornis Lec. 59–6 (not Heer)[33]

Cryptarchinæ [35]

Pityophagus

Cryptarcha

Glischrochilus Rttr. 73–162 [39]
* obtusus (Say) 35–168 N.Y.–S.C.–La.–
sanguinolentus (Oliv.) 90–8 [Mich.
s.sanguinolentus s.str. Que.–Fla.–Tex.–[B.C.
s.rubromaculatus (Rttr.) 73–161 Que.–[Fla.
fasciatus (Oliv.) 90–12 Que.–Fla.–N.M.–
4-maculosa Melsh. 44–107 [33] [B.C.
geminatus Melsh. 44–108 [33]
siepmanni Brown 32–259 Que.–N.Y.–B.C.
quadrisignatus (Say) 35–169
s.quadrisignatus s.str. N.H.–Fla.–Utah
similis Melsh. 44–108 [33]
bipustulatus Melsh. 44–108 [33]
bipunctatus Melsh. 44–108 [33]
sexpustulatus Rttr. 73–161 [33]
s.canadensis Brown 32–259 Que.–S.C.–[N.M.–B.C.
vittatus (Say) 35–170 Que.–N.C.–Cal.–
dejeani (Kby.) 37–107 [33] [Alas.
sepulcralis Rand. 38–19 [33]
confluentus (Say) 23–195 Ont.–Ga.–Nev.
moratus Brown 32–261 Ont.–B.C. Tex.
lecontei Brown 32–262 Man.–N.M.–Cal.–[B.C.
cylindricus (Lec.) 63–64 (not Oliv.)

MONOTOMIDÆ

Hesperobænus
fenyesi VanD. 45–102 Cal.

CUCUJIDÆ

Inopeplus [43]

DERODONTIDÆ

Laricobius

[43] Transferred to Staphylinidæ by Blackwelder—42; returned to Cucujidæ by Paulian—46.
[44] Brown—44.

rubidus Lec. 61–198 [44] Que.–D.C.–Mich.
erichsonii of authors [44]
nigrinus K.Fend. 45–152 Ore. B.C.

MYCETOPHAGIDÆ

Mycetophagus
pluriguttatus Lec. 56–13
s.franciscanus VanD. 39–17 Cal.

Berginus Er. 48–405 [45]
californicus Pierce 39–53 Cal.

COCCINELLIDÆ

Hyperaspis Redt. 43–08 [46]
* I
levrati (Muls.) 50–613 Wyo.–Tex.–Ariz.
metator (Csy.) 08–413 [46] [Mex.
revocans Csy. 08–419
s.revocans s.str. Ut.Ariz. Cal.
s.occidentalis Dobz. 41–6 Cal.
II
octonotata Csy. 99–121 Colo.–N.M.–Cal.
bensonica Csy. 08–418 [Mex.
s.bensonica s.str. Colo.–N.M.–Cal. Mex.
s.disrupta Dobz. 41–9 Cal.
chapini Dobz. 41–10 Ida.
III
pratensis Lec. 80–188
s.pratensis s.str. N.J.–N.C.–Iowa
triplicans Csy. 24–163 [46]
microsticta Csy. 24–163 [46]
s.medialis Csy. 99–123 [46] Tex. Ariz.
s.æmulator Csy. 08–413 [46] ?Iowa. Ariz.
conspirans Csy. 08–414 Tex. Ariz.
gemma Csy. 99–123 Tex.–Cal. Mex.
fastidiosa Csy. 08–414
s.fastidiosa s.str. Colo.–Ariz.–Cal.–Ore.
s.septentrionis Dobz. 41–15 Wyo. Ida. [Ariz.
IV
lateralis Muls. 50–657
s.lateralis s.str. Colo.–Tex.–Cal. Mex.
lævipennis Csy. 99–122 [46]
pinguis Csy. 99–122 [46]
s.montanica Csy. 99–121 [46] S.D.–Colo.–[Cal.–B.C.
s.flammula Nunen. 11–72 [46] Alb.–Colo.–[Mont.
s.nigrocauda Dobz. 41–17 Colo.–N.M.–[Cal.
s.omissa Csy. 99–122 [46] Ut.–N.M.–[Cal.
s.wellmani Nunen. 11–72 [46] Ut.–Wash.–[Cal.
s.idæ Nunen. 12–450 [46] Cal.
excelsa Fall 01–232 Cal.
tædata Lec. 80–187 Fla.
lugubris (Rand.) 38–52 Mass.–Colo.–Tex.
jucunda Lec. 52–134 [46]
lecontei Cr. 74–233 [46]
venustula Muls. 50–671 [46]
separata Csy. 24–165 [46]

[45] Key to species, Pierce—39.
[46] Dobzhansky—41; revision of genus.

V
proba (Say) 26–303
s.proba s.str. Mass.–Fla.–Ariz.–Minn.
?trinifer Csy. 99–123 [46]
s.weisei Schffr. 08–126 [46] Tex.
globula Csy. 99–124 Tex. Mex.
VI [47]
connectens (Thunb.) 08–157 Tex. Ariz.
lengi Schffr. 05–144 [46] [C.A.
rotunda Csy. 99–123 Tex. Ariz
rotundata Korsch. 31–195 [46]
VII [47]
binotata (Say) 26–302 Que.–Fla.–Tex.–
normata (Say) 26–302 [46] Neb. Cal.
affinis (Rand.) 38–50 [46]
leucopsis Melsh. 47–179 [46]
conviva Csy. 24–163 [46]
insolens Csy. 24–164 [46]
signata (Oliv.) 08–1047 N.Y.–Fla.–Tex.
pinorum Csy. 24–162 Del.–Fla.
?inedita Muls. 50–684 [46]
hæmatosticta Fall 07–222 N.M. Ariz.
lewisi Cr. 73–380 N.Y.–N.C.–Ky.
maneei Csy. 24–163 [46]
leachi Nunen. 34–19 Cal.
regalis Csy. 99–123 Fla.
nigrosuturalis Blatch. 18–420 Fla.
bicentralis Csy. 99–124
s.bicentralis s.str. Tex. Okla.
s.major Dobz. 41–33 Ill.
centralis Muls. 51–685
s.centralis s.str. L.Cal. C.A.
s.wickhami Csy. 99–124 [46] Tex.
s.plagiata Dobz. 41–34 Md.
oculifera Csy. 08–415 Ariz.
rivularis Dobz. 41–35 Ky. Ill. Mo.
tuckeri Csy. 24–162 Ariz.
bigeminata (Rand.) 38–32 Me.–Fla.–
guexi Muls. 50–687 [46] [Tex.–Ont.
gemina Lec. 80–188 Va. N.C.
uniformis Csy. 24–162 N.C.
VIII [47]
postica Lec. 80–188 Ariz.–Cal.–B.C.
elliptica Csy. 99–126 Mont. Cal.–B.C.
angustula Csy. 99–127 [46]
nunenmacheri Csy. 08–417 Ida. Cal.–
[Wash.
oculaticauda Csy. 99–127 Nev. Cal. Ore.
effeta Csy. 99–127 Cal. Ore.
subdepressa Csy. 99–127 Cal.
IX [47]
tæniata Lec. 52–134
s.tæniata s.str. Cal. Ut.
s.nevadica Csy. 99–125 [46] Ut.–Ariz.–
[Cal.–Ore.
s.perpallida Dobz. 41–44 Cal.
s.pallidula Dobz. 41–45 Cal.
s.significans Csy. 08–416 [46] Ut. Ariz.
[Cal.
v.concurrens Csy. 08–416 [46] Utah
v.pallescens Dobz. 41–46 Ariz.
s.rufescens Dobz. 41–47 Tex. N.M. Colo.
s.cruenta Lec. 80–187 [46] Tex.
s.cruentoides Dobz. 41–18 Fla.
s.binaria Csy. 24–165 [46] N.C. Fla.
osculans Lec. 80–187 Cal.
pleuralis Csy. 99–125 Tex.–Cal.–Utah
v.aterrima Csy. 08–416 [46] Tex.–Cal.–
biornata Nunen. 34–18 [Utah. Mex.
s.biornata s.str. Cal.
s.arizonica Dobz. 41–53 Ariz.
X [47]
fimbriolata Melsh. 47–180
s.fimbriolata s.str. N.Y.–Va.–Cal.
rufomarginata Muls. 50–661 [46]
limbalis Csy. 99–126
s.atlantica Dobz. 41–55 Va. Fla. Miss.
s.serena Csy. 08–417 [46] Mass.–N.J.–
[Mich
s.inflexa Csy. 99–126 [46] Man.–N.M.–
[Mont.
cincta Lec. 58–89 Ut. Ariz. Cal.
nupta Csy. 99–126 [46]
protensa Csy. 08–417 Ariz.
marginata Gaines 33–263 Tex.
dissoluta Cr. 73–379
s.dissoluta s.str. Nev. Ariz. Cal.
s.coloradana Csy. 08–417 [46] Minn.–Ore.–
[Tex.
sanctæ-ritæ Dobz. 41–60 Ariz.
psyche Csy. 99–125 Cal.
XI [47]
disconotata Muls. 50–653
s.disconotata s.str. Mich. Ill. Minn.
s.troglodytes Muls. 53–219 [46] N.B.–
discreta Lec. 80–187 [46] Va.–Iowa
s.canadensis Dobz. 41–63 Alb.
trifurcata Schffr. 05–143 Tex.
XII [47]
undulata (Say) 24–92 Can.–Va.–Tex.–
maculifera Melsh. 47–179 [46] [Minn.
elegans Muls. 50–658 [46]
octavia Csy. 08–419 Me.–Va.–Minn.
paludicola Schz. 78–362 ?Mass. Va.–Fla.
punctata Lec. 80–188 S.D. Tex. N.M.
filiola Csy. 08–419 Ariz.
quadrioculata (Mots.) 45–383
s.quadrioculata s.str. Cal.
s.notatula Csy. 99–121 [46] Ariz. Nev.
[Cal.
s.scotti Dobz. 41–70 Cal.
s.fidelis Csy. 08–418 Cal.
triangulum Csy. 99–123 Tex. Ariz. Cal.
spiculinota Fall 01–232 Cal.
simulatrix Dobz. 41–72 Ida. Mont. Wash.
XIII [47]
annexa Lec. 52–133 Cal. Ida.
quadrivittata Lec. 52–133
s.quadrivittata s.str. Alb.–N.M.–Ariz.–
Ida.
s.tetraneura Csy. 08–420 [46] Colo. Ut.
[N.M.
oregona Dobz. 41–76
s.oregona s.str. Wyo. Ida. Ore. Wash.
s.borealis Dobz. 41–76 Wash. B.C.
brunnescens Dobz. 41–77 Ill.
XIV [47]
mœrens (Lec.) 50–238 Mich. Wyo. Mont.
consimilis Lec. 52–134 [46]
simulans Csy. 99–128 Ariz.
XV [47]
bolteri Lec. 80–186 Ill. Kan.
jovialis Fall 25–311 Cal.
californica Dobz. 41–81 Cal.
esclavium Dobz. 41–82 Miss.

[46] Dobzhansky—41; revision of genus.

[47] These groups are misnumbered in Dobzhansky—41.

nubilata Csy. 24–166 N.C. Ga.
asphaltina Csy. 24–166 [46]
XVI [47]
?annularis Boh. 59–205 Cal.
?horni Cr. 73–371 Cal.
?nigropennis Blatch. 24–167 Fla.
?pluto Fall 25–311 Cal.
?subsignata Cr. 74–226 Tex.
?tristis (Lec.) 80–188 Colo.
* * *
obscura Malkin 43–110 Ore.

Hyperaspidius
falli (Nunen.) 12–450 [48]
ploribunda (Nunen.) 11–74 [48]
wolcotti (Nunen.) 11–73 [48]
juniperus Nunen. 44–145 Cal.
rossi Nunen. 44–145 Ore.
shauli Nunen. 44–145 Tex.

Brachyacantha
carolina (Csy.) 24–164 [48]

Scymnus
floridana (Muls.) 50–1040 [48]
sexualis (Csy) 24–167 [48]
hæmorrhous Lec 52–138
hærmorrhous Malkin 43–193
fenderi Malkin 43–109 Ore.
lodi Stehr 46–80 Ohio
ohioensis Stehr 46–80 Ohio

Rhizobius
(debilis Blackb. 88–201 not No.Amer.)[49]

Anisosticta Chev. 35–456
(*Anisostica* Malkin 43–194)
borealis Timb. 43–45 Alas.

Næmia
seriata (Melsh.)
s.seriata s.str. Mass.–Va.–Tex.
s.decepta (Blatch.)[50] S.C. Fla. W.I.

Ceratomegilla Cr. 73–365
(*Ceratomagilla* Malkin 43–194)

Eriopis Muls. 51–6
(*Eriopsis* Timb. 43–10)

Coleomegilla
maculata (Deg.)
s.lengi Timb. 43–9 N.Y. Ohio
s.strenua (Csy.) 99–76 [50] Tex.–Cal. Mex.
s.fuscilabrisMuls. 66–22 [50] D.C. Fla.
floridana (Leng) 03–38 [50] [La.

Hippodamia Dej. 36–456 [51]
* I
13-punctata (L.) 58–366 (not N.Amer.)[51]
s.tibialis (Say) 24–94 [51] Me.–D.C.–
[Cal.–Alas.
americana Crotch 73–368 Mich.
falcigera Cr. 73–368 Ida.
washingtoni Timb. 39–265 Ore. Wash.
II
parenthesis (Say) 24–93 Me.–S.C.–Cal.–
tridens (Kby.) 37–229 [51] [Alas.
apicalis Csy. 99–81
s.apicalis s.str. Colo.–Cal.–B.C.
s.lengi Johnson 10–55 [51] Cal.
nigromaculata Nunen. 34–20 [51]
lunatomaculata Mots. 45–382
s.lunatomaculata s.str. Cal.
parenthesis Csy. 99–81 (part)[51]
lunatomarginata Korsch. 32–342 [51]
s.dobzhanskyi Chpn. 46–11 Ore. Wash.
[B.C.
expurgata Csy. 08–400 S.D.–N.M.–Nev.
III
quinquesignata (Kby.) 37–230
s.quinquesignata s.str. Kan.–Cal.–B.C.
mulsanti Lec. 52–131 [51]
leporina Muls. 56–344 [51]
v.uteana Csy. 08–397 [51] Ut.–Cal.
subsimilis Csy. 99–79 [51]
vernix Csy. 99–79 [51]
quadraria Csy. 24–156 [51]
s.ambigua Lec. 52–131 [51] Cal.–Wash.
obliqua Csy. 99–79 [51]
s.punctulata Lec. 52–131 [51] Cal.–Wash.
glacialis (Fab.) 75–80
s.glacialis s.str. N.H.–S.C.–Colo.
?pseudoglacialis Johnson 10–23 [51]
?hoppingi Nunen. 34–21 [51]
s.lecontei Muls. 50–1010 [51] Colo.–
[Ariz.–Ida.
s.extensa Muls. 50–17 [51] Cal.
s.mackenziei Chpn. 46–19 Cal.
IV
quindecim-maculata Muls. 50–20 Wis.–
[Ill.–Colo.
quinquedecimmaculata Korsch. 32–
mœsta Lec. 54–19 [343 [51]
s.mœsta s.str. Cal.–Wash.
s.bowditchi Johnson 10–45 [51] Colo.–B.C.
s.politissima Csy. 99–80 [51] Cal.
convergens Guérin 42–321 Can. U.S. C.A.
caseyi Johnson 10–21 Colo.–Cal.–Wash.
oregonensis Cr. 73–367
s.oregonensis s.str. Wash. B.C.
puncticollis Csy. 99–78 [51]
liliputana Csy. 08–397 [51]
s.dispar Csy. 99–79 Colo.
s.cockerelli Johnson 10–49 Wyo. Colo.
V
sinuata Muls. 50–1011
s.sinuata s.str. Cal. Mex.
trivittata Csy. 99–80 [51]
s.crotchi Csy. 99–80 [51] Wyo.–N.M.–Cal.
fontinalis Csy. 24–156 [51]
s.disjuncta Timb. 19–169 [51] N.D.–
[Colo.–Cal.–Wash.
s.spuria Lec. 61–358 [51] Ore.–B.C.
complex Csy. 99–80 [51]
s.straminea Chpn. 46–29 Cal.
* * *
apicalis
s.tricolor Nunen. 46–72 Cal. Ore
mœsta
v.bowditchi Johnson
bowditchi Malkin 43–196

Cycloneda
polita Csy.
s.flava Timb. 43–24 Cal.

[48] Transferred from Hyperaspis by Dobzhansky —41.
[49] Not established in North America, Flanders in litt.
[50] Timberlake—43.
[51] Chapin—46; revision of genus.

Cleis Muls.[52]
picta Rand. 38–51
blanchardi Johnson 10–72 [53]
v.impictipennis Weise 95–125 [53]

Anisocalvia
duodecim-maculata (Gebl.) 32–76
duodecimguttata Malkin 43–197

Anatis
rathvoni Lec. 52–132
rhatvoni Malkin 43–198

TENEBRIONIDÆ

Metoponium
abnorme Lec.
s.laticolle Csy. 07–291 [54] Ariz. L.Cal.[54]
transversum Blais. 43–174 L.Cal.
erosum Blais. 43–175 L.Cal.

Telaponium
pingue Blais. 43–179 L.Cal.

Trimytis
PIMALIUS Csy.
ceralboensis Blais. 43–196 L.Cal.

Metopoloba
subpilosa Blais. 43–199 L.Cal.

Triorophus
lariversi Blais. 42–132 Nev.

Triphalus
impressifrons Blais. 43–202 L.Cal.

Triphalopsis
impressicollis Blais. 43–203 L.Cal.

Stibia
ferruginea Blais. 43–208 L.Cal.

Orthostibia
muricata Blais. 43–210 L.Cal.
fraterna Blais. 43–211 L.Cal.

Edrotes Lec. 51–140 [55]
* (*Pimelia* Say 24–251) [55]
ODROTES LaRiv. 47–320
arens LaRiv. 47–320 Ariz.
EDROTES s.str.
ventricosus Lec. 51–141 Ida.–Ariz. Cal.
nitidus Csy. 90–175 [55] [Mex.
orbus Csy. 07–451 [55]
angusticollis Csy. 07–452 [55]
longipennis Csy. 07–452 [55]
mexicanus Blais. 23–241 [55]
asperatus Blais. 23–241 [55]
laticollis Csy. 24–300 [55]
longicornis Csy. 24–300 [55]
variipilis Csy. 24–301 [55]
rotundus (Say) 24–251 Colo.–Tex.–Ariz.
globosus Csy. 90–175 [55]
inflatus Csy. 07–454 [55]
puncticeps Csy. 07–454 [55]
intermixtus Csy. 07–455 [55]
oblongulus Csy. 07–455 [55]
lineatus Csy. 07–455 [55]
subæqualis Csy. 07–456 [55]
angustulus Csy. 07–456 [55]
desertus Blais. 43–212 [55]

Araeoschizus
limbatus Blais. 43–214 L.Cal.
antennatus Blais. 43–215 L.Cal.
airmeti Tanner 45–125 Utah Ida.

Centrioptera
(*Oochila* Lec. 62–220, not 66–220)[56]
michelbacheri Blais. 43–227 L.Cal.

Cryptoglossa Sol. 36–680 [57]
* (*Asbolus* Lec. 51–129)[57]
verrucosa Lec. 51–129 Ariz. Nev. Cal.
s.carinulatus Blais. 45–25 Cal.
lævis Lec. 51–130 Ariz. Cal.
s.subsimilis Csy. 24–308 Ariz. Cal.
granulifera Champ. 92–508 Cal. Tex. [L.Cal. Mex.
angularis Horn 94–414 L.Cal.

Stenomorpha Sol. 36–487
(*Euschides* Lec. 51–127)[58]
tumidicollis Blais. 43–226 L.Cal.
convexa (Lec.) 59–14 [59] Kan.–L.Cal. [Mex.

Argoporis
apicalis Blais. 43–234 L.Cal.

Eleodes
rossi Blais. 43–241 L.Cal.
marthæ Blais. 43–243 L.Cal.
mexicana Blais. 43–246 L.Cal.
simondsi Blais. 43–247 L.Cal.
striatipennis Blais. 42–134 Nev.
MELANELEODES Blais. 09–33
halli Blais. 41–37 Ariz.
BLAPYLIS Horn 70–301
oregona Blais. 41–157 Ore.
* LITHELEODES Blais. 09–34 [60]
extricata Say 23–261 Ariz. Tex.–Can.
s.convexicollis Blais. 09–123 [60] Wyo. [Mont.
s.arizonensis Blais. 09–116 [60] Ariz.
s.utahensis Blais. 21–131 [60] Utah
s.frigida LaRiv. 43–54 Nev.
s.cognata Hald. 52–376 [60] Ariz. Utah
arcuata Csy. 84–47 Ariz.
granulata Lec. 57–50 Ore. Cal.
s.obtusa Lec. 61–352 [60] Cal.
s.aspera Lec. 66–115 [60] Colo.
?subaspera Sol. 48–246 [60]
vandykei Blais. 09–136 Cal.
s.modificata Blais. 21–131 [60] B.C.
s.parvula Blais. 09–137 [60] Ore. Ida.
s.similis Blais. 42–142 [60] Ore.
letcheri Blais. 09–133 Nev. Ida.
corvina Blais. 21–224 Cal.
papillosa Blais. 17–226 Cal.
tuberculata Blais. 09–131 [60]

Trogloderus Lec. 79–2 [61]
* costatus Lec. 79–3
s.costatus s.str. Ida.–Ariz. Cal.
s.nevadus LaRiv. 42–437 [61] Nev. Cal.

[52] Nunenmacher—46 uses Mulsantina Weise, in error.
[53] Nunenmacher—46.
[54] Blaisdell—43.
[55] La Rivers—47; revision of genus.
[56] Parsons in litt.
[57] Blaisdell—45; revision of genus.
[58] Blackwelder—45.
[59] Transferred from Euschides by Gebien—37.
[60] Blaisdell—42; revision of subgenus.

s.vandykei LaRiv. 46–41 [61] Cal.
s.tuberculatus Blais. 09–479 [61] Cal.

Branchus Lec. 62–223 (not 63–222)[56]
floridanus Lec. 62–224 (not 66–111)[56]

Eusattus
(*Conipinus* Lec. 62–223, not 63–[223)[56]
sculptus Champ. 92–510 Mex. L.Cal.[62]

Coniontides
keiferi Blais. 43–189 L.Cal.

Coniontis
lariversi Blais. 41–131 Nev.

Coniontellus
inflatus Csy. 90–389 Nev.
hystrix Csy. 08–142 [63]
longipennis Csy. 08–143 [63]
ampliatus Csy. 08–144 [63]

Cœlus
gracilis Blais. 39–16 Cal.

Blapstinus
vandykei Blais. 42–136 Cal.
densipunctatus Blais. 43–256 L.Cal.

Conibius
oblongus Blais. 43–257 L.Cal.

Tonibius
rossi Blais. 43–260 L.Cal.

Ephalus Lec. 62–227 (not 62–229)[56]

Echocerus
breviceps Blais. 43–266 L.Cal.

Aphanotus Lec. 62–233 (not 66–233)[56]

Cynæus Lec. 62–233 (not 66–233)[56]
angustus Lec. 51–149 Tex. Cal. Wash.[64]

Tribolium
destructor Uytt. 33–xii [65] Cal.[66] Eur.

Palorus Muls. 54–250 [66a]
* PALORUS s.str.
ratzeburgi (Wissm.) 48–77
CIRCOMUS Fleisch. 00–236 [66a]
subdepressus (Woll.) 64–499
melinus of authors (not Hbst.)[66a]
depressus of authors (not Fab.)[66a]

Tharsus Lec. 62–233 (not 66–233)[56]
seditiosus Lec. 62–233 (not 66–122)[56]

Xylopinus Lec. 62–230 (not 66–230)[56]

Prateus Lec. 62–238 (not 66–238)[56]
fusculus Lec. 62–238 (not 66–131)[56]

Amphidora
subdeplanata Blais. 43–252 L.Cal.

Helops
sparsus Blais. 43–274 L.Cal.

Lariversius Blais. 47–59
tibialis Blais. 47–61 Nev.

[61] La Rivers—42; key to species.
[62] Blaisdell—43.
[63] La Rivers—47.
[64] Hatch—40.
[65] Placed in Aphanotus by Blaisdell—42.
[66] Blaisdell—42.
[66a] Chapin in litt.

SERROPALPIDÆ

Prothalpia Lec. 62–251 (not 62–252)[56]

Scotochroa Lec. 74–275 [67]
* atra Lec. 74–274 N.H. Mich.
buprestoides (Kby.) 37–240 [68] Nfld.–N.Y.
basalis Lec. 74–275 Nfld. Mich. Colo.–[B.C.

Scotochroides Mank 39–183
antennatus Mank 39–183 N.H.–Pa.

Serropalpus Hellen. 86–311 [67]
* substriatus Hald. 48–98 Me.–Minn. Cal. [Alas.
obsoletus Hald. 48–98 Mich. Ore. B.C.
(barbatus Schall. not N.Amer.)[67]
coxalis Mank 39–239 Me.–Minn. Alas.

Neoscraptia K.Fend. 46–67
testacea K.Fend. 46–67 Ore.

Anelpistus Horn 70–88 [69]
* americanus Horn 70–88 N.H.
canadensis Mank 42–190 B.C.

(**Scotodes** Esch. Not N.Amer.)[70]

PTINIDÆ

Mezium
affine Boield. 56–674 Can.
americanum of Brown 40–117 [71]

Epauloeus M. & R. 68–198
(*Epaulœcus* Pic 12–12)[72]
(*Tipnus* Thoms. 63–141, not DuVal,[72] not Boield.)[71]
unicolor P. & M. 82–67 N.S. N.B.
crenatus Fab. 92–240 [71] [72]

Eurostus M. & R. 68–49
hilleri Rttr. 77–378 N.B.–Ont. B.C. Eur.
alienus Brown 40–119 [71]

Pseudeurostus Heyden 06–424
(*Eurostus* M. & R. 68–185)[73]
(not Dallas, 1851; Duméril, 1853)

Ptinus
ocellus Brown 29–109
pilosus of authors [72]
tectus of authors [72]
latro Fab. 75–63 Can. Cosmop.
hirtellus Sturm 37–80
testaceus Oliv. 90–9 [71]
(not Thunberg, 1784)
brunneus Dufts. 25–65 [71]
testaceous Brown 44–10

ANOBIIDÆ

Utobium
marmoratum Fisher 39–26 Ore.

[67] Mank—39; revision of genus.
[68] Valid species, Mank—39.
[69] Valid genus, Mank—42.
[70] Mank—42.
[71] Brown—44.
[72] Brown—40.
[73] Heyden—06.

Neogastrallus
librinocens Fisher (not libronocens)

Vrilletta
(*Vriletta* VanD. 46–85)
californica Fisher 39–175 Cal.
montana VanD. 46–85 Cal.

Euvrilletta Fall
(*Euvrilleta* VanD. 46–85)
texana VanD. 46–85 Tex.

Xyletinus
grossus VanD. 46–86 Cal.
sequoiæ VanD. 46–87 Cal.

BOSTRICHIDÆ

BOSTRICHINI

Xyloperthina

Tetrapriocera
longicornis Oliv. 90–15 [74]

Xylobiops Csy.
basilaris Say
basillare Leng 20–244 [75]
parilis Lesne
perilis Leng 20–244 [75]

Xylomeira Lesne 01–502 [76]
torquata Fabr. 01–382 W.I.[76] Fla.[75]
floridana Horn 85–155 [75]
?tridens Fabr. 92–362 [75]

* * *

Dendrobiella
aspera Lec. 58–73 [75]
sericans Lec. 58–73 Tex.–L.Cal.
pubescens Csy. 98–67 [75]

Amphicerus
cornutus Pallas 72–8 (not 72–18)[75]
hamatus Fabr. 87–33 [75] N.A. Cuba
aspericollis (Germ.) 24–465 [75]
bicaudatus (Say) 24–320 [75]
serricollis (Germ.) 24–464 [77]

Lichenophanes Lesne 99–457 (not 98–457)[75]
mutchleri Belkin 40–192 N.J.
angustus Csy. 98–72 [75]
(not Steinheil, 1873)
californicus Horn 78–546 (not 78–456)[75]
bicornis Weber 01–91 [77] Conn.–Fla.–Ind.
bicornis Say 23–319 [75]

Bostrichus Geoff. 62–301 [78]
* capucinus L. 58–355 N.J. Eur.

Dinoderus Steph. 30–352 [78]
* brevis Horn 78–550 La. Orient
minutus Fab. 75–54 Fla. Cosmop.

POLYCAONINI

Polycaon Lap. 36–30
(*Exops* Curt. 39–204)[75]
(*Allæocnemis* Lec. 53–232)[75]
punctatus Lec. 66–102 [79]
pubescens Lec. 66–102 [75]

Heterarthron Guér. 44–186
(*Exopioides* Guér. 45–17)[75]
(femorale Fabr. 92–361 not N.Am.)[75]
(gonagrum Fab. 98–156 not N.Am.)[75]
exesum Lec. 58–74 [79] L.Cal. C.A.

Psoa
quadrisignata Horn 68–135 Cal.
cleroides Lesne 13–273 Cal.

SCARABÆIDÆ

Canthon [80] [82]
imitator Brown 46–104
s.imitator s.str. Okla. Tex.
s.floridanus Brown 46–105 Fla.
granulifer Schm. 21–126 Tex.
bispinatus Robinson 41–128 R.I.–Fla.
(pilularius (L.) 58–349 not N.Am.)[81]
hudsonias (Forst.) 71–3
lævе (Drury) 73–? [81]

Ateuchus Weber 01–10 [83]
(*Chæridium* Serv. 25–356)[83]

Copris
cartwrighti Robinson 41–131 N.C. S.C.

Phanæus M'Leay 19–124 [84]
* pluto Harold 63–164 Ariz. Mex.
quadridens (Say) 37–176 Ariz. Mex.
vindex M'Leay 19–133
s.vindex s.str. e.U.S.
s.cyanellus Robinson 38–107 Fla.
s.rubervirens Robinson 48–301 Ariz.
difformis Lec. 48–86
s.difformis s.str. Kan.–Tex.
s.magnificens Robinson 48–302 Fla.
triangularis Say 23–206 S.C.–Tex.
torrens Lec. 47–85
s.torrens s.str. Ky.–Kan.
s.niger (d'Ols.) 24–95 Miss. La. Mex.
igneus M'Leay 19–133
s.igneus s.str. N.C.–Fla.
s.floridanus (d'Ols.) 24–94 Fla.
mexicanus Harold 63–171 Ariz. Mex.
amithaon Harold 75–88 Ariz. Mex.

Onthophagus
aciculatulus Blatch. 28–128
alutaceus || Blatch. 19–31 [85]
aciculatus L. & M. 33–38 [85]
subopacus Robinson 40–142 Ariz.
lecontei Schffr. 14–298
(not Harold, 1868)

Aphodius [88]
manitobensis Brown 28–302 Man. Pa.[86]
guttatus Esch. 23–97 Lab. Vt. Alas.[86]

[74] Not a synonym of tridens, Belkin—40.
[75] Belkin—40.
[76] Blackwelder—45.
[77] Transferred from Bostrichus by Belkin—40.
[78] Revision of genus, Belkin—40.
[79] Distinct species, Belkin—40.
[80] Key to nigricornis-group, Robinson—41.
[81] Lane—47.
[82] Discussion of generic synonymy, Lane—47.
[83] Chapin—46.
[84] Revision of genus, Robinson—48.
[85] Chapin in litt.
[86] Robinson—47.
[87] Robinson—39.
[88] Synoptic key to species, Saylor—40.

bicolor Say 23–212
comanchi Robinson 40–146 [86]
goffi Cart. 39–354 Fla.
geomysi Cart. 39–356 Fla.
windsori Cart. 39–357 S.C.
brimleyi Cart. 39–357 N.C. S.C.
robinsoni Cart. 39–359 N.J.
odocoilis Robinson 39–24 N.J.
crassulus Sim 30–142 [87]
(not Horn, 1870)
lanei Saylor 40–103 Wash.
caseyi Saylor 40–104 Ore.
pullmani Saylor 40–104 Wash.
inermis Robinson 40–147 Utah
saylorea Robinson 40–147 Ariz.
serval Say
s.pennsylvanicus Rob. 40–148 N.J. Pa.
serval of Sim 30–143
subcarinatus Robinson 46–50 Utah
cressoni Robinson 46–51 Neb.
oviformis Robinson 46–53 Cal.
constrictus Robinson 46–54 Wash.
piceatus Robinson 46–55 B.C.
mcdonaldi Robinson 46–56 Pa.

PLATYDERIDES Schm. 16–99
(*Platyderus* Schm. 14–122, not [Steph.)
yavapai Robinson 46–52 Ariz.
excavatus Robinson 40–143 Utah
magnificens Robinson 40–144 Okla.
transversus Robinson 40–144 Ariz.
atwateri Cart. 44–150 Tex.

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aculeatus Robinson 40–143 Utah
rossi Cart. 44–130 Tex.
kirni Cart. 44–131 Tex.
acuminatus Cart. 44–133 Tex.
sepultus Cart. 44–146 Tex.
captivus Cart. 44–147 Tex.
floridanus Robinson 47–169 Fla.
inyoensis VanD. 47–158 Cal.
fenyesi VanD. 47–159 Ariz.

Oxyomus
silvestris Scop. 63–5 Wash.[89] Eur.
opacifrons Horn 71–284 [89]
porcatus Fab. 98–22 [89]

Atænius
spretulus (Hald.) 48–106
consors Fall 30–104 [90]
falli Hntn. 34–119 [90]
strigatus (Say) 23–212 [91]
salutator Fall 30–99 Fla. W.I.
darlingtoni Hntn. 37–179 [92]
miamii Cart. 34–200
havanensis Balth. 38–55 [93]
saramari Cart. 39–360 Fla.
convexus Robinson 40–149 Tex.
linelli Cart. 44–28 Fla.
saxatilis Cart. 44–29 N.C.–Ga.

Dialytes
umbratus Balth. 41–89 Can.

[89] Hatch—46.
[90] Cartwright—43.
[91] Distinct species, Cartwright—43.
[92] Cartwright—45.
[93] Chapin—40.
[94] This spelling used instead of Psammobius by Cartwright—46.

Psammodius [94]
shermani Cart. 46–89 S.C. Ga.
malkini Cart. 46–90 Fla.

Pleurophorus
cæsus (Creutz.) Ore. N.Y. Wash.[89]

Kolbeus Bouc. 11–335
* hornii (Rivers) 86–61 [95] Cal.
minor (Linell) 95–723 [95] Tex.

Bolboceras
angulus Robinson 47–170 Tex.

Odontæus Klug
(*Odonteus* Lins. & Mich. 43–79)

Bolbocerosoma
quadricornum Robinson 41–132 Tex.

Eucanthus
lazarus (Fab.)
v.alutaceus Cart. 44–30 Miss. Ala. Ga.

Geotrupes
(occidentalis Horn not N.Am.)[96]

Pleocoma [97]
lucia Linsley 41–145 Cal.
nitida Linsley 41–147 Cal.
puncticollis Rivers 89–17 L.Cal.[98]
venturæ Linsley 45–110 Cal.

Trox
affinis Robinson 40–158 [99] N.Y.–Va.–Cal.

TROX s.str.
variolatus Melsh.
erinaceus Lec. 54–212 [1]
s.monticola Robinson 40–158 Me.–Pa.–
foveicollis Harold 72–181 [Utah
insularis Chev. 64–416 [1]
plicatus Robinson 40–153 Ariz.
contractus Robinson 40–153 Tex.
hamata Robinson 40–153 N.J.–Ga.
spinulosus Robinson 40–156 Mich.
dentibius Robinson 40–156 Ariz.
aciculeatus Robinson 40–156 Ark. Mo.
simi Robinson 40–157 N. J. Pa. Va.

OMORGUS Er. 48–932
integer Lec. 54–216 [2]
oligonus Loomis 22–133 [1]
oligomis Leng & M. 27–38 [1]
texanus Lec. 54–214 [2]
suturalis Lec. 54–214 [2]
umbonatus Lec. 54–214 [2]
platycyphus Loomis 22–133 [1]
tesselatus Lec. 54–216 [2] Ariz.
nodosus Robinson 40–152 N.M.
nigrescens Robinson 41–134 L.Cal.
confluentus Robinson 41–134 Utah
fuliginosus Robinson 41–134 Tex.
tytus Robinson 41–228 Pa.

Serica
(*Series* Saylor 36–4)[3]
pruinipennis Saylor 36–4
prunipennis of 4th suppl.
pruinosa Sayl. 35–2 [3]

[95] Transferred from Bolboceras by Chapin—46.
[96] Bradley—44.
[97] Key to species, Linsley—46.
[98] Linsley—41.
[99] Described as a subspecies of æqualis Say.
[1] Robinson—40.
[2] Listed as valid species by Robinson—40.
[3] Saylor—40.

alleni Saylor 39–457 Cal.
mendota Saylor 39–457 Cal.
chicoensis Saylor 39–458 Cal.
sandiegensis Saylor 39–458 Cal.
searli Saylor 39–459 Cal.
cuyamaca Saylor 39–459 Cal.
craighead Saylor 39–55 L.Cal.
cruzi Saylor 39–55 Sta.Cruz I. (Cal.)
joaquinella Saylor 39–56 Cal.
oliver Saylor 39–56 Cal.
elmontea Saylor 39–56 Cal.
watsoni Saylor 39–58 Cal.
arkansana Dawson 47–223 Ark.
atratula Lec. 56–274 Tex. Okla.
s.monita Dawson 47–226 Tex. Okla. La.
contorta Dawson 47–227 Tex. Ark. Okla.
æmula Dawson 47–228 Tex.
anthracina Lec. 56–276 S.D –N.M.–Cal.–
frontalis Lec. 56–276 [4] [B.C.
robusta Lec. 56–276 [4]
valida Harold 69–123 [4]
crassata Walk. 66–323 [4]
satrapa Dawson 47–231 Cal.
concinna Dawson 47–232 Ariz.
subnisa Dawson 47–233 Cal.
catalina Dawson 47–234 Cal.

Diplotaxis
nigra Cart. 39–361 Okla.
dahli Cazier 40–251 Cal.
cribrulosa Lec. 56–270 Tex.–Ariz.
popino Csy. 85–179 [5]
impressifrons Cazier 40–127 Cal. Ore.
saylori Cazier 40–128 Ariz.
æqualis Cazier 40–129 Ariz.
fulgida Cazier 40–130 Tex.
acononicus Cazier 40–131 Ariz.
aulacochela Cazier 40–131 Tex.
ungulatus Cazier 40–132 Ariz.
persisæ Cazier 40–133 Ariz.
parkeri Cazier 40–133 Ariz.
microps Cazier 40–134 Ariz.
recticanthus Cazier 40–135 Ariz.
brevicornis Cazier 40–136 N.M.
arta Cazier 40–136 Cal.
ungula Cazier 40–137 Tex.
fulva Robinson 46–58 Utah

Triodonyx Saylor 42–158
* ecostata (Horn) 87–284 [6] Tex.

Phyllophaga [7]
fucata Horn 87–278
linsleyi Saylor 36–4 [8]
torta Lec. 56–239 Tex. N.M. Mex.
dampfi Arrow 37–148 [8]
vetula Horn 87–274 N.M. Ariz. Mex.
longipilosa Bates 88–209 [8]
lenis Horn 87–287 Ariz. Cal. Mex.
anodentata Bates 88–208 [8]
rubricosa Reinh. 39–47 Tex.
renodis Reinh. 39–48 Tex.
plena Reinh. 39–49 Tex.
ephilida (Say)
s.virilis Reinh. 39–51 Tex.
sacoma Reinh. 39–52 Ark. Tex.
curialis Reinh. 39–54 Tex.
pudorosa Reinh. 39–55 La. Tex.
opacita Reinh. 39–56 Tex.
tristis (Fab.)
s.tristis s.str. e.St.–B.C.
s.apicata Reinh. 39–58 Md.–Ga.–Tex.
s.suttonana Reinh. 39–59 Tex.
s.amplicornis Reinh. 39–59 Tex.
reevesi Saylor 39–89 Cal.
xerophila Saylor 39–89 Cal.
rossi Saylor 39–452 Ariz.
chippewa Saylor 39–455 Minn.
ovalis Cart. 39–353 Fla.
sodalis Reinh. 40–4 Tex.
aurea Lug. & Paint. 41–716 Okla.
yemasseei Cart. 44–30 S.C.
tecta Cart. 44–32 Fla.
marginalis Lec.
v.insolita Cart. 44–33 Ala.
zavalana Reinh. 46–69 Tex.
hubbelli Cart. 46–10 Ala. Ga.
georgiana Schffr. 09–382
duvalus Robinson 38–110 [9]
sylvatica Sandn. 42–49 Ga.–Neb.
inopia Sandn. 42–51 Ariz. Mex.
incuria Sandn. 42–53
texana Sandn. 37–16
ravida Blanch. 50–136 (C.A.)
s.guatemalica Moser 18–24 Tex.[10] C.A.
gravidula Moser 21–247
perita Sandn. 37–14 [10]
onchophora Chpn. 32–184 Cuba, Ga.
PHYLLOPHAGA s.str.
temora Saylor 43–135 Tex. Mex.
TOSTEGOPTERA Blanch.[11]
lanceolata Say 23–242
arizonæ Blœker 36–55 [8]
grisiana Blœker 36–56 [8]
cazieri Blœker 36–57 [8]
EUGASTRA Lec.[11]
* LISTROCHELUS Blanch.[11] [12]
miraflora Saylor 40–72 L.Cal.
densicollis (Lec.) 63–77 L.Cal.
carminator (Horn) 94–398 L.Cal.
michelbacheri Saylor 40–76 L.Cal.
pilosipes Saylor 40–76 L.Cal.
puberulus (Lec.) 63–78 (not DuVal)[12]
peninsularis Saylor 40–77 L.Cal.
trochanter Saylor 40–78 Ariz.
gracilis (Horn) 85–123 (not Burm.)[12]
scoparia (Lec.) 56–264 Ariz. Mex.
disparilis (Horn) 78–141 Colo.–Ariz. Mex.
huachuca Saylor 40–82 Ariz. Mex.
chapini Saylor 40–84 N.M. Ariz.
flavipennis (Horn) 85–123 N.M. Ariz.
granti Saylor 40–85 Ariz. Mex.
mucorea (Lec.) 56–263 Kan. Tex.–Cal.
texanus (Lec.) 56–263 [12] [Mex.
obtusus (Lec.) 56–264 [12]
pulcher (Linell) 96–730 Tex.
reinhardi Saylor 40–89 Tex.
plena (Fall) 32–199 Ariz.
opacicollis (Horn) 78–145 N.M. Utah Ariz.
tarsalis (Schffr.) 08–319 N.M. Ariz.
scuticeps (Bates) 88–171 Tex. Mex.

[4] Dawson—47.
[5] Cazier—40.
[6] Transferred from Phyllophaga by Saylor—42.
[7] Boving—42, gives a regrouping of the N.A. species, breaking up Horn's groups; also key to known larvae.
[8] Saylor—39.
[9] Robinson—47.
[10] Sanderson—42.
[11] Treated as a subgenus by Saylor—42.
[12] Saylor—40; revision of subgenus.

fimbripes (Lec.) 56–264 Neb.–Tex.–Ariz.
falsa (Lec.) 56–264 Kan.–N.M.–Cal.
langeri Chpn. 34–93 [12]
s.nogales Saylor 40–99 Ariz.
kœhleriana Saylor 40–99 Tex. N.M.
neomexicana Saylor 40–101 N.M.
parilis (Bates) 88–172 Tex. Mex.
cavata (Bates) 88–170 N.M. Mex.
micros (Bates) 88–170 Colo. Mex.
cochisa Saylor 40–105 Ariz. Mex.
texensis Saylor 40–106 Tex.
wickhami Saylor 40–107 Tex.–Ariz.
cushmani Saylor 40–109 Tex.–Ariz. Mex.
macmurryi Saylor 40–110 Okla. Tex.
duncani (Barrett) 33–129 Ariz.
arizona Saylor 40–112 Tex.–Ariz.
timida (Horn) 78–146 Ariz.
snowi Saylor 40–114 Ariz.
senex (Horn) 78–148 Tex. N.M.

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luginbilli Saylor 41–145 N.M.
pleroma Reinh. 40–5
plena Reinh. 39–49 (not Fall)
CHLÆNOBIA Blanch.[11]
PHYTALUS Er.[11] [13]
ægrotus Bates 88–182 Tex. C.A.[10]

Polyphylla Harris 42–30 [14] [15]
* cavifrons Lec. 54–222 Ariz. Cal. Mex.
squamiventris Cazier 39–199 Tex.
hammondi Lec. 56–228 Ill.–Tex.–Ariz.
squamicauda Csy. 14–324 [15]
molesta Csy. 14–324 [15]
verecunda Csy. 14–325 [15]
oblita Csy. 14–326 [15]
impigra Csy. 14–326 [15]
subvittata Lec. 56–229 [15]
bisinuata Csy. 14–327 [15]
sejuncta Csy. 14–328 [15]
proba Csy. 14–329 [15]
diffusa Csy. 14–329 [15]
pimalis Csy. 14–330 [15]
oklahomensis Hatch 26–145 [15]
hirsuta VanD. 33–116 Ariz.
diffracta Csy. 89–17 N.M. Ariz.
fuscula Fall 08–161 [15]
adjusta Csy. 14–331 [15]
uteana Tanner 28–276 Utah
rufescenta Tanner 28–276 Utah
opposita Csy. 14–330 ?Ore.
barbata Cazier 38–161 Cal.
rugosipennis Csy. 14–336 Ariz. Cal.
lævicauda Csy. 14–338 [15]
sobrina Csy. 14–339 Cal.
alleni Cazier 39–201 Ariz.
crinita Lec. 56–230 Cal.–Wash.
nigra Csy. 14–334 [15]
mystica Csy. 14–334 [15]
incolumis Csy. 14–335 [15]
relicta Csy. 14–336 [15]
robustula Csy. 14–336 [15]
ona Blœker 40–148 [15]
santarosæ Blœker 40–149 [15]
santacruzæ Blœker 40–149 [15]
martini Blœker 40–150 [15]
arguta Csy. 14–339 Utah
speciosa Csy. 89–17 Colo. N.M.
acomana Csy. 14–342 [15]
latifrons Csy. 14–340 [15]
decemlineata (Say) 23–246 Kan.–Cal.–[Wash.
parilis Csy. 14–345 [15]
laticauda Csy. 14–345 [15]
reducta Csy. 14–346 [15]
pacifica Csy. 95–607 [15]
squamotecta Csy. 14–343 [15]
ruficollis Csy. 14–346 [15]
castanea Csy. 14–347 [15]
oregona Csy. 14–348 [15]
perversa Csy. 14–348 [15]
modulata Csy. 14–333 [16] Ore.
comstockiana Blœker 40–150 [15]
matrona Csy. 14–350 Ariz.
occidentalis (L.) 67–555 Va.–Fla.
variolosa (Hentz) 40–256 Me.–N.J.
comes Csy. 14–352 Ky.
gracilis Horn 81–73 Fla.
pubescens Cart. 39–362 Fla.

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peninsularis VanD. 43–103 L.Cal.
nubila VanD. 47–160 Cal.
diffracta Csy. N.M.
s.arida VanD. 47–161 Utah

Thyce
aurata VanD. 43–105 Cal.
cinerea VanD. 43–106 Cal.
clypeata VanD. 43–107 Cal.

Phobetus
comatus Lec. 56–227 Cal. Ore.
s.robinsoni Saylor 39–54 Cal.

Dichelonyx Harris 26–6 [17] [18]
* elongata (Fab.) N.Eng.–Kan.–Can.
elongatula (Schönh.)[17]
hexagona (Germ.)[17]
linearis (Gyll.)[17]
virescens (Kby.)[17]
subvittata Lec. N.Eng.–Can.
diluta Fall Mass.–Va.–Mich.
testacea Kby. Vt.–Mo.–Mont.
testaceipennis Fall N.M.
canadensis Horn Can.
backii Kby. Wyo.–Colo.–Cal.
s.arizonica Barrett [17] Ariz.
fulgida Lec.
s.fulgida s.str. Nev. Cal.–Wash.
s.crotchi Horn [17] Nev. Cal.
s.oregona VanD.[17] Ore. B.C.
s.mormona Fall [17] Utah
vandykei Saylor Cal.
nana Fall Cal.
fuscula Lec. N.J.–Ohio
muscula Fall Cal.
vaga Fall Nev. Cal.
pallens Lec. Cal.
longiclava Fall [17]
robusta Fall Cal. Ore.
clypeata Horn Cal.
truncata Lec. Utah. Cal.
picea Horn L.Cal.
pusilla Lec. Cal. L.Cal.
decolorata Fall Cal.

[13] Footnote [4] in 4th Suppl. should read Saylor —39, not Sanderson—39.
[14] Key to Canadian species, Brown—40.
[15] Cazier—40; revision of genus.
[16] Originally described as a subspecies of decemlineata Say.
[17] Saylor—45; key and revision.
[18] Brown—46; key to eastern species.

lateralis Fall — Nev. Cal.
valida Lec. — Cal. Ore.
vicina Fall — Nev. Cal. Ore.
s.columbiana Hopp.[17] — Ida. B.C.
deserta Hopp.[17 19]
sulcata Lec. — Colo. N.M. Ariz. Mont.
s.arizonensis Saylor — Ariz.
albicollis (Burm.) — N.B.–Mich.

* * *

kirbyi Brown 46–107 — Man. Alb. Neb.
testacea of authors [18] — [Mont.
elongatula Schönh. 17–210
elongata Fab. 92–170 [18]
(not Olivier, 1789)
virescens Kby. 37–134 [18]
elongata of authors (in part)[18]
linearis (Gyll.) 17–103
hexagona Germ. 24–124 [18]
virescens Kby. 37–134 [18]
testacea Kby. 37–135 [18]
elongata of authors (in part)[18]

Coenonycha Horn 76–192 [20]
fuga Cazier 43–12 — Cal.
purshiæ Cazier 43–13 — Cal.–Wash.
ampla Cazier 43–14 — Cal.
hageni Cazier 43–15 — Cal.
acuta Cazier 43–15 — Cal.
pallida Cazier 43–18 — Cal.
lurida Cazier 43–19 — Cal.
barri Cazier 43–19 — Cal.
saylori Cazier 43–20 — Cal.
bowlesi Cazier 43–20 — Cal.
mediata Cazier 43–21 — Cal.
rubida McClay 43–21 — Ariz.
scotti McClay 43–22 — Cal.
clypeata McClay 43–22 — Cal.
fulva McClay 43–23 — Cal.
fusca McClay 43–24 — Cal.
utahensis McClay 43–24 — Utah
globosa McClay 43–25 — Wash.
crispata McClay 43–26 — Cal.
ovatis McClay 43–27 — Cal.
pascuensis Potts 45–141 — Cal.

Gymnopyge
hirsuta Cazier 39–17 — Cal. Ariz.

Hoplia [21]
cazieri Boyer 40–8 — Nev.
ferrisi Boyer 40–10 — Pa.
humboldtensis Boyer 40–12 — Cal.
meridionalis Boyer 40–14 — S.C. Fla.
oregona Lec.
s.deserticola Boyer 40–20 — Nev. Cal.–[B.C.
utahensis Boyer 40–24 — Utah
callipyge Lec. 56–285
pubicollis Lec. 56–285 [22]
oregona Lec. 56–284 [22]
convexula Lec. 56–285 [22]
irrorata Lec. 57–40 [22]
mutata G. & H. 69–1113 [22]
lecontei DallaT. 13–376 [22]

ANOMALINI [23]

Pachystethus
floridana Robinson 41–133 — Fla.

Rhombonalia
adscita Robinson 41–132 — Ariz.

Anomala Sam. 19–191
(*Anomola* Rex 44–5)
(*Anamola* Rex 44–17)

* * *

Cotalpa Burm. 44–423 [24]
* CIOCOTALPA Saylor 40–191
consobrina Horn
COTALPA s.str.
subcribrata Wickh.
flavida Horn
lanigera Linn.
vernicata Csy.[24]
molaris Csy.[24]
tau Wickh.[24]
s.obesa Csy.[24]

Paracotalpa Ohaus 15–256 [25]
* (*Pocalta* Csy. 15–92)[25]
deserta Saylor 40–195 — Cal.
granicollis Hald.
pubicollis Csy.[25]
puncticollis Lec.
ursina Horn
lævicauda Csy.[25]
brevis Csy.[25]
s.piceola Saylor 40–197 — Cal.
s.rotunda Csy.[25]
seriata Csy.[25]
s.rubripennis Csy.[25]

Dynastinæ

CYCLOCEPHALINI [26 28]

Ancognatha Er. 47–97
* manca (Lec.) 66–382 — N.M. Ariz. Mex.
æquata Bates 88–297 [27]
perspicua Csy. 15–126 [27]
zuniella Csy. 15–127 [27]
durangoana Csy. 15–125 [27]
lævigata Bates 88–297 [27]

Coscinocephalus Prell 36–145 [26]
* (*Anoplocephalus* Schffr. 06–259)[26]
cribrifrons (Schffr.) 06–260 — Ariz.

Dyscinetus Harold 69–123 [26]
* (*Chalepus* M'Leay 19–149)[26]

[17] Saylor—45; key and revision.
[18] Brown—46; key to eastern species.
[19] Listed under vicina, Saylor—39.
[20] Cazier & McClay—43; key and revision.
[21] Boyer—40; key and revision.
[22] Chapin—46.
[23] Key to larvæ, Ritcher—43.
[24] Saylor—40; revision.
[25] Saylor—40; revision and key.
[26] Saylor—45; revision and key to genera.
[27] Saylor—45; the implication in this paper that Saylor has dissected all the Casey Scarab types is very misleading. Less than a third of the holotypes (or species) have been dissected by anyone. Since Saylor states that "it is necessary to dissect and compare the male genitalia in order properly to place many of the troublesome variants," his synonymy must be considered as inconclusive.
[28] Key to Arkansas genera and species (males), Sanderson—40.

(*Palechus* Csy. 15–174)[26]
morator (Fab.) 99–24 e.st.–Tex.
trachypygus Burm. 47–79 [27]
discedens Csy. 15–171 [27]
borealis Csy. 15–171 [27]
picipes (Burm.) 47–79 Kan.–Cal. Mex.
obsoletus (Lec.) 54–222 [27] [W.I.
geminatus (DuVal) 56–127 [27]
ebeninus Csy. 15–169 [27]
subquadratus Csy. 15–166 [27]
gilianus Saylor 45–380
gilanus Csy. 15–168 [27]
lævissimus Csy. 15–167 [27]
puncticauda Csy. 09–282 [27]
punctipes Bates 88–312 [27]

Cyclocephala Latr. 29–552 [26]
* (*Spilosota* Csy. 15–112)[26]
(*Ochrosidia* Csy. 15–112)[26]
(*Dichromina* Csy. 15–112)[26]
knobelæ (Brown) 34–23 Ark.
dimidiata Burm. 47–57 Ark.–S.A.
ocularis (Csy.) 15–162 [27]
elegans Horn 71–337 [27]
puberula Lec. 63–80 Ga. Fla. Ala.
seditiosa Lec. 63–79 (not 56–79) Ga. Ala.
setidiosa Saylor 45–382
hirta Lec. 61–346 Utah. Tex.–L.Cal.–Cal.
palidissima Csy. 15–133 [27]
magister Csy. 15–132 [27]
inconspicua Csy. 15–133 [27]
nubeculina Csy. 15–131 [27]
lurida Bland 63–354 [27]
s.pilosicollis Saylor 36–2 [27] Cal.
longula Lec. 63–79 Utah.–Ore.–L.Cal.
californica Arrow 37–9 [27]
abrupta (Csy.) 15–152 [27]
phasma (Csy.) 15–156 [27]
obesula (Csy.) 15–156 [27]
oblongula (Csy. 15–156 [27]
rustica (Csy.) 15–157 [27]
reflexa (Csy.) 15–153 [27]
marcida (Csy.) 15–155 [27]
rugulifrons Csy. 15–154 [27]
prona (Csy.) 15–157 [27]
ambiens (Csy.) 15–155 [27]
nodulata (Csy.) 15–154 [27]
robusta Lec. 63–79 La. Ark. Tex.
nigricollis Burm. 47–54 [27] [28]
subvittata (Brown) 30–5 [27] [28]
nigrocollis Saylor 45–384
pasadenæ (Csy.) 15–148 Tex.–Cal. L.Cal.
arizonica (Csy.) 15–149 [27]
melina (Csy.) 15–149 [27]
pusilla (Csy.) 15–150 [27]
facilis (Csy.) 15–150 [27]
validiceps (Csy.) 15–148 [27]
ovatula (Csy.) 15–151 [27]
borealis Arrow 37–172 e.U.S.–Ark. Neb.
villosa Burm. 47–54 [27]
parallela (Csy.) 15–144 [27]
immaculata (Oliv.) 89–29 e.U.S.–N.M.
frontalis Sturm 43–116 [27]
rufifrons (Csy.) 15–145 [27]
tenuicutis (Csy.) 15–146 [27]
pagana (Csy.) 15–148 [27]
protenta (Csy.) 15–144 [27]

Aspidolea Bates 88–296 [26]
texana Höhne 12–84 ?Tex.

* * *

Dynastinæ

ORYCTINI [29]

Cheiroplatys Hope 37–84 [29]
* (*Orizabus* Fairm. 78–260)[29]
(*Pseudaphonus* Csv. 15–210)[29]
(*Aztecalius* Csy. 15–228)[29]
clunalis (Lec.) 56–23 Tex.–Ariz. Mex
verticalis Fall 05–272 [29]
ligyrodes (Horn) 85–125 [29]
sallei (Fairm.) 78–262 [29]
marginatus (Fairm.) 78–262 [29]
cultripes (Fairm.) 78–261 [29]
frontalis (Csy.) 15–226 [29]
ponderosæ (Csy.) 15–228 [29]
parvitarsis (Csy.) 15–227 [29]
snowi (Horn) 85–124 [29]
pyriformis (Lec.) 48–21 Colo. N.M.
ovalis (Csy.) 15–212 [29]
repens (Csy.) 15–212 [29]
debiliceps (Csy.) 15–213 [29]
lucidus (Csy.) 15–213 [29]
puncticollis (Csy.) 15–335 [29]
isodonoides (Fairm.) 78–263 Colo. Mex.
brevicollis (Prell) 14–204 L.Cal.Mex.

Strategus Hope 37–87 [29]
* (*Anastrategus* Csy. 15–231)[29]
(*Strategodes* Csy. 15–245)[29]
(*Strategopsis* Chpn. 32–302)[29]
(*Scatophilus* Chpn. 32–302)[29]
julianus Burm. 47–133 Miss.–S.A.
gaillardi Csy. 15–244 [29]
roosevelti Csy. 15–241 [29]
arizonicus Schffr. 15–47 [29]
tarsalis Csy. 15–243 [29]
mormon Burm. 47–130 Kan. Tex. Utah
splendens (Beauv.) 05–89 N.C.–Fla.
bosci (Beauv.) 05–89 [29]
carolinensis (Csy.) 15–237 [29]
cognatus (Csy.) 15–236 [29]
cessus Lec. 66–382 Ariz. N.M. Mex.
durangoensis (Csy.) 15–234 [29]
inflatus (Csy.) 15–234 [29]
tantalus (Csy.) 15–235 [29]
cavicauda (Csy.) 15–233 [29]
antæus (Drury) 73–74 R.I.–Fla.–Tex.
maimon (Fab.) 75–10 [29]
syphax Burm. 47–131 [29]
houstensis Knaus 25–182 [29]
atrolucens (Csy.) 15–247 [29]
pinorum (Csy.) 15–248 [29]
septentrionis (Csy.) 15–249 [29]
divergens (Csy.) 15–246 [29]
sinuatus (Csy.) 15–250 [29]
semistriatus (Csy.) 15–250 [29]

Xyloryctes Hope 37–90 [29]
* jamaicensis (Drury) 73–74 e.U.S.–Ariz.
satyrus (Fab.) 75–12 [29] [Jam.
americanus (Beauv.) 05–75 [29]
faunus Csy. 95–609 [29]
hebes Csy. 15–257 [29]
lacustris Csy. 15–225 [29]
tenuicornutus Csy. 15–255 [29]
obsolescens Csy. 15–256 [29]

[29] Saylor—46; revision.
[30] See notes under Cyclocephala, above.

Ligyrus Burm. 47–542 [29] [30]
* (*Tomarus* Er. 47–95)[29]
(*Ligyrodes* Csy. 15–178)[29]
(*Grylius* Csy. 15–189)[29]
(*Anagrylius* Csy. 15–204)[29]
(*Ligyrellus* Csy. 15–206)[29]
(*Euligyrus* Csy. 15–185)[29]
relictus (Say) 25–194 R.I.–Neb.–Ariz.
clypealis (Csy.) 15–181 [29]
parviceps (Csy.) 15–182 [29]
quadripennis (Csy.) 15–182 [29]
vernicollis (Csy.) 15–182 [29]
dawsoni (Csy.) 24–334 [29]
sallei Bates 88–318 Tex. C.A.
aztecus Csy. 15–184 [29]
propinquus Csy. 15–183 [29]
cuniculus (Fab.) 01–20 ?U.S. C.A. S.A.
tumulosus (Burm.) 47–101 [29] [W.I.
antillarum (Beauv.) 05–104 [29]
gibbosus (Deg.) 74–322 U.S. L.Cal. Mex.
variolosus (Burm.) 55–121 [29]
juvencus (Burm.) 55–121 [29]
morio (Lec.) 48–20 [29]
obsoletus (Lec.) 48–87 [29]
neglectus (Lec.) 48–87 [29]
puncticauda Csy. 15–195 [29]
arizonensis Csy. 15–201 [29]
brevipes Csy. 15–202 [29]
breviusculus Csy. 15–196 [29]
lacustris Csy. 15–196 [29]
californicus Csy. 15–203 [29]
laticollis Csy. 15–203 [29]
curtipennis Csy. 15–199 [29]
effetus Csy. 15–200 [29]
farctus Csy. 15–200 [29]
lætulus Csy. 15–197 [29]
lævicauda Csy. 15–202 [29]
laticauda Csy. 15–197 [29]
longulus Csy. 15–193 [29]
parallelus Csy. 15–194 [29]
remotus Csy. 15–194 [29]
rubidus Csy. 15–198 [29]
lucublandus Csy. 15–199 [29]
scitulus Csy. 15–203 [29]
spissipes Csy. 09–293 [29]
texanus Csy. 15–195 [29]
virginicus Csy. 15–193 [29]
bicorniculatus Csy. 15–198 [29]
subtropicus Blatch. 22–30 S.C.–Fla.
blatchleyi Cart. 44–34 [29]
lævicollis Bates 88–316 Ariz. L.Cal. C.A.
bryanti Rivers 91–97 [29]

Oxygrylius Csy. 15–208 [29]
* (*Oxygryilus* Saylor 46–44)
ruginasus (Lec.) 56–20 N.M.–Cal. L.Cal.
peninsularis Csy. 15–209 [29] [Mex.

Aphonides Rivers 15–230 [29]
* (*Anoplognatho* Rivers 89–101)[29]
dunnianus (Rivers) 89–102 Tex. Ariz.

Euetheola Bates 88–314 [29]
* rugiceps (Lec.) 56–21 Ga.–Ky.–Tex.
subglabra (Schffr.) 09–383 Ariz. Mex.

* * *

Aphonus
brevicruris Cart. 44–36 Tex.

[29] Saylor—46; revision.
[31] Cazier—40; key to genera and species.

PHILEURINI [31]

Phileurus [31]
truncatus Beauv. 07–41 Fla.–Mex.
recurvatus Csy. 15–266 [31]
illatus Lec. 54–80 Ariz. Cal. L.Cal.
vitulus Lec. 66–80 [31]
phoenicis Csy. 15–267 [31]
puncticollis Csy. 15–268 [31]
castaneus Hald. 44–304 Pa.–Fla.–Ariz.
texensis Csy. 15–268 [31]
sulcifer Csy. 15–269 [31]
floridanus Csy. 15–270 [31]
carolinæ Csy. 15–269 [31]
valgus of authors
valgus (L.) 58–347 (W.I. S.A.)
s.septentrionis Kolbe 10–352 [31] Ala.–
[Tex. Cuba

Archophileurus
cribrosus (Lec.) 54–80 Tex. Mex.
bullatus Csy. 15–274 [31]
longulus Csy. 15–273 [31]
brevis Csy. 15–272 [31]

* * *

Cotinis
palliata G. & P. 33–336 Ariz. Cal.
arizonica Csy. 15–287 [32]

Chlorixanthe Bates 89–374
chapini Cart. 39–363 Tex. Mex.

CREMASTOCHEILINI [33] [34]

Lissomelas Bates 89–376 [33]
* flohri Bates 89–376 Ariz. Mex.

Psiloenemis Burm. 42–676 [33]
* leucosticta Burm. 42–677 Md.–N.C. Mex.

Genuchinus Westw. 74–23
* ineptus Horn 85–127 Ariz. Cal.
angustus Csy. 15–344 Ariz.

Cremastocheilus Knoch 01–115 [33]
* MACROPODINA Csy.
[15–344 [33] [34]
puncticollis Cazier 40–124 Ariz. Cal.
planatus Lec. 63–81 Ariz. Cal. Mex.
ampla Csy. 15–346 [33] [34]
depressa (Horn) 71–340 [34]
beameri Cazier 40–126 Ariz.
CREMASTOCHEILUS s.str.
harrisii Kby. e.U.S.
castaneæ Knoch Can.–Conn.–Colo.–Gulf
v.lecontei Westw.[33] Miss.vall.
v.pocularis Csy.[33] Man.–Colo.
v.brevisetosus Csy.[33] s.U.S.
canaliculatus Kby. Can.–Ga.–Ohio
retractus Lec. Ia.–Tex.
v.incisus Csy.[33] Kan. Colo.
variolosus Kby. e.U.S.
squamulosus Lec. N.C.–Fla.
angularis Lec. Cal.
compressipes Csy.[33]
nitens Lec. Neb. Mo. Kan.
chapini Cazier 40–130 Ariz.

[32] Chapin—46.
[33] Potts—45; key to genera and species.
[34] Cazier—40; key to genera.

armatus Walk. Nev. Cal.–B.C.
densicollis Csy.[33]
obliquus Csy.[33]
v.maritimus Csy.[33] Cal. Ore.
maratimus Potts 45–76
v.montanus Csy.[33] Nev. Cal.–Wash.
v.cribripennis Csy.[33] Cal.
mexicanus Schaum Ariz.
crinitus Lec. Tex. N.M.
v.bifoveatus VanD.[33] N.M.–Ariz.–B.C.
v.pugetanus Csy.[33] Colo.–Wash.
knochii Lec. Man.–N.M.
gracilipes Csy.[33]
areolatus Csy.
pulverulentus Cazier 40–131 N.M.
quadratus Fall Ariz.
westwoodi Horn Cal.
v.tridens Csy.[33] Cal.
schaumi Lec. Cal.
v.tibialis Csy.[33] Ariz. Cal.
lengi Cazier Ariz.
wheeleri Lec. Mont. Neb.–Cal.
constricticollis Cazier 40–127 Ariz.
saucius Lec. Neb.–Colo.–Tex.
hirsutus VanD. Ariz.
spinifer Horn Tex.
opaculus Horn Ariz. Cal.
setosifrons Csy. Kan.
quadricollis Csy. Tex.
planipes Horn Ariz.
mentalis Cazier 40–129 N.M.

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Osmoderma Lep. & Serv. 25–702 [35]
* (*Gymnodus* Kby. 37–139)[35]
scabra (Beauv.) 05–58 [36]
foveatus Kby. 37–140 [35]
rugosa Kby. 37–140 [35]
delicatula Csy. 15–372 [35]
gracilipes Csy. 15–374 [35]
beauvoisii Bainb. 41–481 [35]
caviceps Csy. 15–374 [35]
lacustrina Csy. 15–375 [35]
caseyi Schenk. 22–9 [35]
eremicola Knoch 01–105
subplanata Csy. 15–376 [35]
montana Wickh. 20–233 [35]

LUCANIDÆ

PLATYCERINI [37]

Platycerus Geoff. 62–62 [38]
* (*Systenocerus* Weise 83–93)[38]
(*Systenus* Shp. & Muir 12–573)[38]
oregonensis Westw. 46–277 Cal.–B.C.
origonensis Westw. 44–106 [38]
cærulescens Lec. 61–345 [38]
chalybæus Csy. 97–639 [38]
virescens (Fab.) 94–87 e.Can.–e.U.S.
quercus Weber 01–85 [38]
securidens Say 23–249 [38]

[35] Hoffmann—39; key to species.
[36] Not validated in this reference; see later uses, such as Gory & Perch. 33–47.
[37] Benesh—46; new tribe and key to genera.
[38] Benesh—46; revision.
[39] Placed as a synonym of marginalis by Benesh —46; reinstated as species by Benesh in litt.

scaritoides Sturm 43–136 [38]
quercicola Knoch 68–961 [38]
angustus Csy. 08–280 [38]
iowanus Csy. 08–280 [38]
peregrinus Csy. 08–280 [38]
piceus Kby. 37–141 Newf.–Md.–Ida.
depressus Lec. 50–224 [38]
marginalis Csy. 97–639 Wyo.–Cal.–B.C.
cribripennis VanD. 28–107 [39] Cal.

Platyceroides Benesh 46–175
* (*Platycerus* Lec. 61–345, part)[37]
agassii (Lec.) 61–345 [40] Cal. Ore.
agassizi of authors [40]
parvicollis (Csy.) 90–164 [38] [41]
pacificus (Csy.) 90–165 [38] [41]
californicus (Csy.) 85–331 [38]
s.pygmæus VanD. 46–88 Cal.
æneus (VanD.) 28–109 Ore. Wash.
thoracicus (Csy.) 95–154 Cal.
opacus (Fall) 06–393 Cal.
latus (Fall) 01–291 Cal.
viriditinctus (Benesh) 42–222 Ore.
laticollis (Csy.) 14–373 Ore.

Platyceropsis Benesh 46–195
* (*Platycerus* Csy. 95–153, part) [37]
keeni Csy. 95–153 Cal.–B.C.
pedicellaris Möll. 12–302 [38]

CERAMBYCIDÆ

Stenodontes
NOTHOPLEURUS Lac.
lobigenis (Bates) 84–235 Tex.–Cal. L.Cal. [Mex.
gnatho Lec. 58–81 (not White)[42]
mandibularis Gemm. 72–254 (not
castaneus Csy. 24–225 [42] [Fab.)[42]

Orthosoma Serv. 32–154 [43]
cylindricus Fab.

Smodicum
pacificum Linsley 34–107 [Tres Marias Is.]
s.peninsulare Linsley 42–27 L.Cal.

Aseminæ

ATIMIINI [44]

Atimia [45]
vandykei Linsley 39–74 N.M.
hoppingi Linsley 39–75 Ore. Wash.

* * *

Haplidus
laticeps Knull 41–317 Tex.

Styloxus Lec. 73–239
(*Idæmea* Horn 80–137)[46]
(*Malthophia* Csy. 12–308)[46]
(*Malthopia* Linsley 40–34)

[40] These spellings reversed by Benesh—46.
[41] This date is given as 1889 by Leng and as 1875 by Benesh.
[42] Linsley—42.
[43] Distinct genus, Linsley—40.
[44] Linsley—39; key to genera.
[45] Linsley—39; key to species.
[46] Linsley—40.

METHIINI [47]

Tessaropa
(*Dysphaga* Lec. 52–143)[46]
(*Tessaroptes* G. & H. 73–3063)[46]

Coleomethia Linsley 40–32
* evaniformis (Knull) 37–306 [48] Tex.

Methia
robusta Linsley 40–285 Cal.
dubia Linsley 40–286 Ariz.
acostata Linsley 40–287 Ariz.
knulli Linsley 40–288 Ariz.
carinata Linsley 40–289 Ariz.
picta Linsley 42–29 L.Cal.
separata Linsley 42–30 L.Cal.
subarmata Linsley 42–31 L.Cal.
pallidipennis Linsley 42–32 L.Cal.

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Achryson
surinamum (L.) 67–632 Tex. Ariz. L.Cal. [Mex. S.A.
circumflexus (Fab.) 87–144 [42]
longicolle (Deg.) 75–117 [42]
pallens (Fab.) 92–297 [42]
surinamensis (Oliv.) 95–54 [42]

Tylonotus
champlaini Knull 41–695 Pa.

Gnaphalodes
trachyderoides Thoms. 60–236 Tex. L.Cal.
inermis Bates 84–243 [42] [C.A.

Eburia
falli Linsley 40–257 Ariz. Cal.
semipubescens Fall 09–163 (not Thomson)

Anepsyra
grandicolle Linsley 42–40 L.Cal.

Aneflomorpha
australis Linsley 42–37 L.Cal.
rosaliæ Linsley 42–38 L.Cal.

Anelaphus
submœstus Linsley 42–42 L.Cal.
punctatus (Lec.) 73–185 L.Cal.
subdepressus Schffr. 04–222 Ariz. L.Cal.
michelbacheri Linsley 42–42 L.Cal.
mœstus (Lec.)[49]

Anoplium
insoletum Linsley 42–43 L.Cal.

Meganoplium Linsley 40–258
* imbelle Lec. 81–27 Cal.

Anoplocurius Fisher 20–153 [50]
* incompletus Linsley 42–47 L.Cal.
altus Knull 42–224 Tex.

Perigraeilia Linsley 42–48
* tenuis Linsley 42–49 L.Cal.
delicata Knull 42–225 Ariz.

[42] Linsley—42.
[46] Linsley—40.
[47] Key to genera, Linsley—40.
[48] Transferred from Methia by Linsley—40.
[49] Transferred from Anoplium by Linsley—42.
[50] Key to genus, Knull—42.
[51] To precede Obriini, key, Linsley—40.

EUMICHTHINI [51]

Eumichthus Lec. 73–190 [52]
* (*Eumichtus* Auriv. 12–138)
œdipus Lec.

Pœcilobrium Horn 83–291 [53]
(*Pœcilobrium* Linsley 40–369)
(*Callimus* Lec. 73–305)[46]
chalybeum Lec.

OBRIINI [54]

Obrium

HYBODERINI [55]

Hybodera Lec. 73–191 [53]

Lampropterus Muls. 63–214
(*Callimus* Muls. 46-app.)[46]
(*Pilema* Lec. 73–191) [46]
(*Callimellum* Strand 28–2)[46]

Pseudopilema Linsley 40–373
* hoppingi VanD. 20–36 [56] Cal.

Megobrium Lec. 73–192 [53]

MOLORCHINI [57]

Molorchus Fab. 92–356
(*Heliomanes* Newm. 40–17)[46]
(*Glaphyra* Newm. 40–19)[46]
(*Laphyra* Newm. 42–418)[46]

STENOPTERINI [58]

Callimoxys Kr. 63–105

* * *

LEPTURINI [54]

Toxotus
spinosus R.Hopp. 40–32 Ore.
oklahomensis R.Hopp. 40–33 Okla.

Centrodera
arida VanD. 46–89 Cal.
osburni Knull 47–73 Cal.

Cortodera Muls. 63–572 [59]
* (*Leptacmæops* Csy. 13–230)[59]
impunctata Hopp. 47–222 Ore. Wash.
placerensis Hopp. 47–223 Cal.
sierræ Hopp. 47–224 Cal.
militaris (Lec.) 50–322 Ida. Wash. Ore. [Cal.
berkeleyensis Hopp. 47–226 Cal.
oregonensis Hopp. 47–227 Ore.
harneyensis Hopp. 47–228 Ore.
bakeri Hopp. 47–229 Wash.
longicornis (Kby.) 37–185 Mont.–Nev.–

[52] Transferred from Obriini, by Linsley—40.
[53] Transferred from Molorchini by Linsley—40.
[54] Key to tribes, Linsley—40.
[55] New tribe to follow Obriini, Linsley—40.
[56] Transferred from Callimus by Linsley—40.
[57] To follow Hyboderini, Linsley—40.
[58] To follow Molorchini, Linsley—40.
[59] R. Hopping—47; revision of genus.

marginalis (Lec.) 57–28 [59] [B.C.
vincta (Lec.) 61–356 [59]
ligata (Lec.) 73–211 [59]
punctiventris Csy. 13–238 [59]
alticola Csy. 13–239 [59]
suturalis Csy. 24–277 [59]
dorsalis (Lec.) 59–21 [59]
nitidipennis (Csy.) 13–236 Ida. Wash. Ore.
subpilosa (Lec.) 50–322 Alb.–Kan.–Cal.–
lupina (Lec.) 60–321 [59] [B.C.
intermedia Csy. 13–236 [59]
pugetana Csy. 13–237 [59]
quadriceps Csy. 13–237 [59]
spuria (Lec.) 73–228 Ore. Wash.
coniferæ Hopp. 47–233 Colo. Wash. B.C.
stolida (Csy.) 24–277 Nev.
robusta Hopp. 47–234 Wash.
basalis (Lec.) 73–211 Cal.
dichroma Csy. 13–231 [59]
auricollis Csy. 13–232 [59]
elegantula Csy. 13–232 [59]
cuneata Csy. 13–231 [59]
minima Csy. 13–233 [59]
cubitalis (Lec.) 50–322 [60] Cal.
temporalis Csy. 13–233 [59]
quadrinotata Csy. 13–233 [59]
tenuis Csy. 13–233 [59]
variipes Csy. 13–234 [59]

* * *

ACMÆOPSILLA Csy. 13–240
falsa (Lec.) 59–80 [61] Cal. L.Cal.

Anthophylax
viridis Lec. 50–326 [62] Ariz.

Strangalia Serv. 35–220
pacifica Linsley 40–255 Cal.

Anoplodera
jacintana Linsley 40–256 Cal.
scapularis VanD. 20–43 [63] Cal.
isabellæ R.Hopp. 22–162 [63]

Ophistomis
lævicollis Bates 80–39 [C.A.]
s.ventralis Horn 94–401 [61] Ariz. L.Cal.

Euryptera
texana Knull 41–388 Tex.

Vesperoctenus Bates 91–159
flohri Bates 91–160 L.Cal.[61] Mex.

NECYDALINI [65]

Necydalis [66]
lævicollis Lec.
s.seminiger Linsley 40–277 Cal.
diversicollis Schffr.
s.californica Linsley 40–279 Cal.

* * *

Callidiellum Linsley 40–254
cupressi VanD. 23–48 [67] Cal.

Semanotus
ANOCOMIS Csy. 12–271 [68]

Callidium
sempervirens Linsley 42–192 Cal.

Phymatodes
(*Phymatodis* Knull 40–556)
ursæ Knull 40–556 Wyo.
vilitatis Linsley 40–253 Cal.
vile Lec. 73–172 [64]
(not Newman, 1842)
hardyi VanD. 28–112 [69] B.C.
hirtellum Lec. 73–172 [69] Colo. Cal.
malkini Fisher 42–51 Ore.

Megacyllene Csy. 12–348 [70] [71]
* (*Cyllene* Newm. 40–7, not Gray, [1834)][70] [71]
antennata White 55–252 Tex.–Cal. L.Cal.
eurystethus Lec. 58–82 [72]
robiniæ Forst. 71–43 Me.–Pa.–Minn. Ont.
flexuosa F. 75–191 [72]
angulata Fab. 75–192 [72]
pictus Drury 70–91 [72]
caryæ Gahan 08–141 Mass.–Ont.–Md.–[Mex.
snowi Csy. 12–353 N.M. Ariz.
decora Oliv. 95–63 N.Y.–Ala.–Tex.–Neb.
a.charus Say 35–193 [72]
a.mediana Auriv. 12–384 [72]
a.horni Auriv. 12–384 [72]
a.castelnaui Auriv. 12–384 [72]
a.genitiva Csy. 12–355 [72]
a.solida Csy. 12–355 [72]
a.kansana Csy. 12–355 [72]
infausta Lec. 50–17 Minn.–N.M.
zuniana Csy. 12–353 N.M.
lutosa Lec. 61–356 Kan.
angulifera Csy. 12–354 Alb.–Man.–Kan.

Megacheuma Mickel 19–198 [72]
* brevipennis (Lec.) 73–197 Wyo. Ut. Ore.
melanosticum Mickel 19–199 [72]

Placosternus G.R.Hopp. 37–447
* difficilis (Chevr.) 62–263 Tex. Cal. Cuba
reducta Csy. 12–351 [72]
filicornis Csy. 12–352 [72]

Glycobius Lec. 73–319 [72]
* speciosus (Say) 28–53 N.H.–N.J.

Calloides Lec. 73–319 [72]
* nobilis (Harr.) 36–84 (N.A.)
muliebris Csy. 12–358 [72]
coloradensis Csy. 12–358 [72]
v.regalis Chevr. 60–488 [72]
mormonus Schffr. 11–124 [72]
lorquini (Buqu.) 59–629 Nev. Cal.

Tylcus Csy. 12–348 [72]
* hartwegi (White) 55–252 Ariz. Mex.

Sarosesthes Thoms. 66–185 [72]
* fulminans (Fab.) 75–192 Pa.–D.C.–Kan.–[Minn.

Oehræthes Chevr. 60–454 [72]
* (*Ochræsthes* Chevr. 60–472)[72]

[60] Error for Lec. 61–355.
[61] Linsley—42.
[62] Distinct species, Knull—42.
[63] Transferred from Leptura by Linsley—40.
[64] Linsley—40.
[65] Linsley—40; revision and key to genera.
[66] Linsley—40; key to species.
[67] Transferred from Semanotus by Linsley—40.
[68] Misspelled Anacomis in Leng—20 and 4th Suppl., Leech in litt.
[69] Transferred from Callidium, by Linsley—40.
[70] Fisher—45.
[71] Synonymy reversed by G. R. Hopping—37.
[72] G. R. Hopping—37; revision.

(*Ochræsthes* Thoms. 60–216)[72]
(*Ochrestes* Lac. 69–65)[72]
(*Ochresthes* Bates 80–50)[72]
sigmoideus Bates 85–298 Tex. Mex.
TRIODOCLYTUS Csy. 12–374
lanifer (Lec.) 73–198 (N.A.)

Arhopalus Serv. 34–77
(*Criocephalum* Dej. 35–328)[64]
(*Criocephalus* Muls. 39–63)[64]

Xylotrechus
robustus R.Hopp. 41–29 Colo.

Neoclytus
irroratus (Lec.) 58–26 [73] Tex.–Cal. L.Cal.
morosus (Chevr.) 60–501 [61] [Mex.

Eplophorus Chevr. 61–248
bicinctus Linsley 35–88 [Mex.]
s.peninsularis Linsley 42–56 L.Cal.

Rhopalophora
prorubra Knull 44–91 Ariz.

Rhopalophorella Linsley 42–57
bicincta (Horn) 95–245 L.Cal.

Stenosphenus Hald. 47–39 [74]
* aridus Linsley 35–166 Utah
castaneus Csy. 24–269 Tex. N.M.
pinorum Csy. 24–268 N.J.–Fla.
notatus (Oliv.) 95–61
deflendum (Newm.) 40–6 [74]
discoideus (Sturm) 26–199 [74]
discicollis (Dej.) 35–330 [74]
nigricornis Fisher 46–90 Cal.
debilis Horn 85–179 Utah
lugens Lec. 62–41 Tex. Mex.
hirsutipennis Bates 72–191 [74]
beyeri Schffr. 05–163 N.M. Ariz.
dolosus Horn 85–179 Tex.
rossi Linsley 42–45 L.Cal.
novatus Horn 85–178 L.Cal.
lucanus Csy. 12–346 [74] [61]
basicornis Linsley 34–60 L.Cal.
lepidus Horn 85–179 Ariz.
pruddeni Csy. 12–346 Ariz.
longicollis Csy. 91–34 Tex.
* * *
piceus Knull 46–253 Tex.
texanus Knull 46–254 Tex.

Gymnopsyra
notabilis Knull 47–72 Cal.

PSEBIINI

Tragidion
armatum Lec. 58–25 Tex.–Cal.[64]
gracilipes Linsley 40–136 Cal.
peninsulare Schffr. 08–339 [75] L.Cal.[64]
s.californicum Linsley 40–137 Cal.
annulatum of authors (not Lec.)[64]

Crossidius
australis Linsley 42–61 L.Cal.

[61] Linsley—42.
[64] Linsley—40.
[72] G. R. Hopping—37.
[73] Transferred from Rhopalopachys by Linsley —42.
[74] Fisher—46; revision.
[75] Treated as a species by Linsley—42.

ruficollis Linsley 43–147 Cal.
brunneipennis Linsley 43–148 Nev.

Oxoplus
cruentus Lec. 62–42 [75] L.Cal.
cruentatus Horn 94–338 [75]
tumacacorii Knull 44–91 Ariz.

Elytroleptus
davisi Knull 40–558 Tex.

Parevander Auriv. 12–453
(*Evander* Lac. 69–160)[76]
(not Thomson, 1860)
xanthomelas (Guér.) 44–258 ?L.Cal. C.A.[61]

Plionoma Csy. 12–333 [77]
rubens (Csy.) 91–34 Tex.–Cal. L.Cal.
basalis (Horn) 94–401 [78] L.Cal.

Taranomis Csy. 12–333 [77]
bivittata (Dupont) 38–58 Tex.–Cal. Mex.
bilineata Gory 39–pl. 45 [79] [L.Cal.
pallida (Schffr.) 05–132 [80] L.Cal.
linsleyi Knull 42–226 Ariz.

Lissonotus
flavocinctus Dup. 36–9
s.puncticollis Bates 85–90 Cal. Ariz.
lucanus Csy. 12–317 [79] [L.Cal.

Dendrobias
mandibularis Serv. 34–42 Tex.–Cal. Mex.
[L.Cal.
quadrimaculatus Dupont 36–22 [79]
peninsularis Csy. 12–316 [79]

Monoilema
(*Monilema* Agassiz 46–237)
COLLAPTERYX Newm. 38–397
michelbacheri Linsley 42–67 L.Cal.
gigas Lec. 73–236 Tex.–Utah–L.Cal. Mex.
constricta Csy. 13–285 [81]
uteana Csy. 13–285 [81]
pimalis Csy. 13–285 [81]
spinicollis Csy. 13–286 [81]
pollens Csy. 13–286 [81]
plectralis Csy. 24–286 [81]
colossa Csy. 24–289 [81]

MONOCHAMINI [82]

Neoptychodes D. & D. 41–44 [82]
* trilineatus (L.) 71–532 S.C.–Fla.–Ariz.
vittata (Fab.) 77–231 [82] [C.A.
insularis Fairm. 50–61 [82]
abbreviatus Csy. 93–593 [82]

Monochamus Guér. 27–91 [82]
* (*Monohammus* of authors)[82]
scutellatus (Say) 24–289 Newf.–N.C.–
resutor Kby. 37–167 [82] [Alas.
oregonensis (Lec.) 73–231 N.D.–Cal.–
monticola Csy. 13–293 [82] [Alas.
obtusus Csy. 91–45 Ida.–Wash.–Cal.
fulvomaculatus Linsley 33–118 Cal.

[76] Blackwelder—46.
[77] Treated as a genus by Linsley—42.
[78] Transferred from Sphænothecus by Linsley —42.
[79] Linsley—42.
[80] Transferred from Ischocnemis by Linsley—42.
[81] Linsley—42, after Psota—30.
[82] Dillon & Dillon—41; revision of tribe.

maculosus (Hald.) 47–51
s.maculosus s.str. Neb.–Tex.–Cal.
clamator (Lec.) 52–149 [82]
strenuus Csy. 13–293 [82]
s.latus Csy. 24–290 [28] Neb.–Cal.–B.C.
s.nevadensis D. & D. 41–72 Nev.
linsleyi D. & D. 41–72 Cal.
notatus (Drury) 77–65 N.S.–S.C.–B.C.
confusor Kby. 37–168 [82]
mutator Lec. 50–235 Mich. Minn.
carolinensis (Oliv.) 90–463 Mass.–Fla.–
?dentator (Fab.) 75–278 [82] [Tex.–
minor Lec. 73–231 [82] [Minn. Mex.
titillator (Fab.) 75–172 Mass.–Fla.–Tex.–
angusticollis Csy. 24–292 [82] [N.D.
obesus Csy. 24–290 [82] [S.A.
marmorator (Kby.) 37–169 Que.–N.C.–
acutus Lac. 69–316 [82] [Minn.

Microgoes Csy. 13–298 [82]
* oculatus (Lec.) 62–40 Me.–Ala.–Ill.
tenuicornis Csy. 13–298 [82]

Goes Lec. 52–150 [82]
* debilis Lec. 52–150 Mass.–Fla.–Minn.–[Ariz.
tigrinus (Deg.) 75–114 N.Y.–Fla.–La.
tomentosus (Zieg.) 46–47 [82] [Mex.
marmoratus Csy. 13–296 [82]
pulchra (Hald.) 47–150 Mass.–Ga.–Tex.–[Ont.
fisheri D. & D. 41–122 Tex.
pulverulentus (Hald.) 47–51 Mass.–Fla.–[Tex.–Minn.
laurenticus Csy. 13–297 [82]
novus Fall 28–236 ?Ill. Tex.
tessellatus (Hald.) 47–51 Mass.–Fla.–
amplipennis (Csy.) 13–295 [82] [Tex.–
robinsoni Csy. 14–368 [82] [Minn.

Cacoplia Lec. 52–149 [82]
* (*Hebestola* || Hald. 47–54)[82]
nebulosa (Hald.) 47–54 Mass.–Ala.–Minn.
pullata (Hald.) 47–55 [82]
pruinosa Lec. 52–149 [82]

Plectrodera Lec. 52–151 [82]
scalator (Fab.) 92–278 N.Y.–Ga.–Tex.–
belli Lec. 44–209 [82] [Mont. Mex.

* * *

Neoptychodes D. & D. 41–44
trilineatus (Linn.) 71–532 [79] Fla.–L.Cal.
vittatus (Fab.) 76–231 [79] [S.A.

Monochamus
notatus (Drury) 75–65 N.Y. Ind. Wis.
s.morgani Hopp. 45–17 B.C.
obtusus Csy. 91–45 Cal. B.C.[83]

Goes
pulcher (Hald.)
v.fuscatus Knull 44–92 Okla.

DORCASCHEMATINI

Dorcaschema Lec. 52–147 [84]
* wildii Uhler 55–417 Mass.–Ky.
alternatum (Say) 23–405
s.alternatum s.str. e.U.S.–Tex.
s.octovittata Knull 37–307 Tex.
nigrum (Say) 27–272 e.U.S.–Tex.

Hetœmis Hald. 47–54 [84]
* cinerea (Oliv.) 95–28
s.cinerea s.str. Pa. Md. Mich.
s.bimaculata D. & D. 47–293 Kan.

* * *

Leptostylus
arcuatus Lec. 52–168
floridanus Champl. & Kn. 22–148 [85]

Leiopus
rosaliæ Linsley 42–71 L.Cal.
rossi Linsley 42–71 L.Cal.
gracilipes Linsley 42–72 L.Cal.
nivosus Linsley 42–73 L.Cal.

Estoloides Breuning 40–72
sordida (Lec.) 73–237 [86] L.Cal.
sparsa Linsley 42–78 L.Cal.

Ecyrus
pacificus Linsley 42–80 L.Cal.

Poliænus
obliquus Linsley 42–81 L.Cal.

ONCIDERINI [87]

Lochmæocles Bates 80–124 [88]
* cornuticeps Schffr. 06–20 [89]
s.cornuticeps s.str. Tex. Mex.
tessellatus Knull 37–42 [88] [90]
marmoratus Csy. 13–351 Ariz. Ecua.

Oncideres Serv. 35–67 [88]
* pustulata Lec. 54–82 Tex. ?Ill.
putator of High 15–09 (not Thoms.)[88]
trinodatus of Essig 26–460 (not [Csy.)[88]
rhodosticta Bates 85–365 Tex.–Ariz. [L.Cal. Mex.[79]
putator of Horn 85–195 [88]
cingulatus of Hamilt. 96–141 (not
trinodata Csy. 13–352 [88] [79] [Say)[88]
pustulatus of Essig 26–460 [88]
quercus Skinn. 05–291 Ariz.
cingulata Say 26–272 Conn.–Tex. Cal. [Mex.
texana Herrick 02–15 (not Horn)[88]
pallescens Csy. 13–353 [88]
præcidens Csy. 13–354 [88]
texana Horn 85–195 [88]
subtropicus Csy. 13–353 [88]

Oberea
canadensis Fisher 45–56 Ont.

[83] Dillon & Dillon—43.
[84] Dillon & Dillon—47; revision of genus.
[85] Knull—42.
[86] Transferred from Estola by Linsley—42.
[87] Key to genera, Dillon & Dillon—45.
[88] Dillon & Dillon—46; revision of genus.
[89] Transferred from Oncideres by Dillon & Dillon—46.

CHRYSOMELIDÆ [90]

Macroplea Sam. 19–211
(*Apelma* Billb. 20–53)[91]
(*Hæmonia* Dej. 21–114)[91]

Lilioceris Rttr. 12–79
* lilii (Scop.) 63–36 Que.[92] Eur.

Neohæmonia Szek. 41–148
* nigricornis (Kby.) 37–222 [93] N.Y.
americana (Guér.) 44–259 [93]
melsheimeri (Lac.) 45–211 [93] Pa. Ill.
nigricornis (Clav.) 13–15 [93]

Syneta
pilosa Brown 40–164 N.B.–Alb
extorris Brown 40–165 N.C. Tenn.

Zengophora
varians Cr. Ore.[94]

Lema
californica Heinze 27–142
æmula Horn 94–406 (not Lac., 1845)

Megascelis Sturm 26–80 (not 29–138)[91]

Coscinoptera
corpilosa Dahl 41–29 Ariz. Mex.

Arthrochlamys [95]
cribripennis (Lec.) 78–614 Que. Ont. Mich.
comptoniæ Brown 43–125 N.B. Mass.
eubati Brown 43–126 Que.–Man. N.J.
plicata (Fab.) 98–111
gibbosa of authors, in part [95]
alni Brown 43–128 N.B.–Ont.
bebbianæ Brown 43–128 Que. Ont.
chamædaphnes Brown 43–130 Ont.
coryli Brown 46–48 Ont.
tecta Brown 46–48 Ont.

Saxinis
saucia Lec. 57–66
v.quadrimaculata Dahl 41–30 Cal.
v.californica Schffr. Ore.[94]

Exema [95]
pennsylvanica Pierce 40–18 Pa. Ont.–Kan.
conspersa of authors, in part [95]
canadensis Pierce 40–10 N.B.–Ont.–N.C.
conspersa of authors, in part [95]
gibber of authors [95]
globensis Pierce 40–21 Ariz.
chiricahuana Pierce 40–22 Ariz.
parvisaxi Pierce 40–24 Cal.
dispar Lac. 48–850 Ariz. Mex.
s.canadensis Pierce 40–10 Can.
jenksi Pierce 40–13 Cal.
inyoensis Pierce 40–19 Cal.
deserti Pierce 40–20 Cal.
s.boregensis Pierce 40–21 Cal.

Pachybrachys
donneri Cr. 74–78 Ore.[94]

Diachus
æruginosus Lec. 80–197 Ore.[94]

Nodonota [96]
parkeri White 41–162 Ariz.

Rhabdopterus [97]
bowditchi Barber 43–117 Fla.
prætextus (Say) 24–442
picipes of authors (not Oliv., 1808)[97]
spiculatus Barber 43–118 Me.–Mass.
deceptor Barber 43–118
prætexta || Jones 41–321 [97]
weisei (Schffr.) 20–117 [98]
subænea (Schffr.) || 19–328 [97]
bottimeri Barber 46–140 Tex.

Adoxus
obscurus (L.) Ore.[94]

Colaspidea
varicolor Cr. (not Lec.)[94] Ore.[94]

Entomoscelis
americana Brown 42–172 Man.–B.C.
adonidis of authors [99]

Prasocuris
vittata Oliv.
vitatta Johnson 41–12

Leptinotarsa
lineolata Stål Ore.[1]

Zygogramma
suturalis Fab. 75–95
sutoralis Johnson 41–12 [2]

Calligrapha
fulvipes Stål 59–323 Tex. Mex.[92]
knabi Brown 40–166 Que.
bidenticola Brown 45–122 N.B.–Ont.
similis Rogers 56–34 [3]
(not Müller, 1776)
californica Linell 96–198 Cal.
s.coreopsivora Brown 45–122 Conn.
elegans Oliv. 08–532 [3] [N.S.–B.C.
(not Gmelin, 1789)
virgata G. & H. 74–3437 [3]
(not Stål, 1859)
alni Schffr. 28–290 N.S.–Alb.
confinis Kby. 37–211 [3]
(not Klug, 1829)
alnicola Brown 45–124 Que. Ont.
dolosa Brown 45–126 Ont.
ostryæ Brown 45–126 Ont.
ignota Brown 45–127 N.S. N.B. Ont.
pruni Brown 45–127 Ont.
virginea Brown 45–130 Que. Ont.
tiliæ Brown 45–130 Ont.
amator Brown 45–132 Ont.

Chrysolina
engelhardti Hatch 39–49 Alas.

Microtheca Stål 61–464
ochroloma Stal 61–464 Ala.[4] S.A.

Phædon
armoraciæ (L.) Ore.[94]
oviformis Lec. Ore.[94]
niger Hatch Ore.[94]
carri Hatch Ore.[94]
punctatus Hatch Ore.[94]

[90] Key to subfamilies, based on larvæ; Sailsbury—43.
[91] Barber & Bridwell—40.
[92] Brown—46.
[93] Transferred from Hæmonia by Szekessy—41.
[94] K. Fender—45.
[95] Brown—43; key to Canadian species.
[96] Key to species, White—41.
[97] Barber—43; key to species.
[98] Transferred from Colaspis by Barber—43.
[99] Brown—42.
[1] Malkin—43.
[2] White—42.
[3] Brown—45.
[4] Barber in litt.; (Timarchini).

Gastrophysa Chev. 37–405
(*Gastræidea* Hope 40–164)[91]
(*Gastroidea* G. & H. 74–3403)[91 5]
cyanea Melsh. Ore.[1]

Phytodecta [6]
arctica Mannh. 53–257
affinis of authors [6]
scutellaris Sahlb. 85–55 [6]
americana Schffr. 24–139
pallida of authors [6]
rufipes of Kby. 37–213 [6]
viminalis of Mannh. 53–256 [6]
notmani Schffr. 24–140
affinis of Notm. 21–75 [6]
occidentalis Brown 42–104 Alb. B.C.

Galerucella
ribicola Brown 38–37 Man.
s.confusa Brown 46–50 Ont.
xanthomelæna (Schr.) 81–78 Ont.[7] Ore.[1]
xanthomelea Malkin 43–74

Monoxia [8]
consputa (Lec.) 57–70 Wyo.–Tex.–Cal.–[Wash.
guttulata (Lec.) 57–70 [9] Cal. Ore.[1]
consputa Horn 93–85, in part [8]
sordida (Lec.) 58–88 Colo.–Tex.–L.Cal.
angularis (Lec.) 59–90 [9] N.D.–Cal.–B.C.
consputa Horn 93–85, in part [8]
debilis Lec. 65–222 Alb.–Ariz.–Ida.
obtusa Lec. 65–222 [8]
inornata Blake 39–162 N.D.–Tex.–Mont.
grisea Blake 39–163 Alb.–Ida.
elegans Blake 39–164 Mont.–N.M.–Ore.
puberula Blake 39–165 Alb.–Tex.–Cal.
schizonycha Blake 39–166 Colo.–Cal.–[Wash.
obesula Blake 39–167 Tex.
pallida Blake 39–168 Colo. Ida.
minuta Blake 39–169 Ariz.
apicalis Blake 39–170 Ariz. Cal.
brisleyi Blake 39–171 Utah Ariz. Cal.

Diabrotica Dej. 37–404
undecimpunctata Mannh. 43–310
s.undecimpunctata s.str. Pac. Cst.
s.howardi Barber 47–153 e.St. s.St.
s.tenella Lec. 58–88 (not 58–58) Ariz.

Acalymma Barber 47–154
* gouldi Barber 47–154 Que. Ind.
vittata (Fab.) 75–122 [10] S.C.
melanocephala (Fab.) 75–118 [10]
trivittata (Mannh.) 43–309 [10] Tex.–Cal.
vittata of Jacoby 87–535 [10] [C.A.
incerta (Ckll.) 96–67 [10]
blandula (Lec.) 68–58 [10] Kan. Colo. Tex.–
nitida (Linell) 98–483 [10] [Ariz.
vincta (Lec.) 78–416 [10] S.C.–Fla.–Tex.

Amphelasma Barber 47–158
* bipuncticollis (Schffr.) 05–171 Ariz.

Luperus
morulus Lec. Ore.[94]
pallipes B. & H. Ore.[94]

Scelolyperus Cr. 74–79 [11]
blakeæ White 44–178 Tex.

Luperodes [12]
bivittatus (Lec.) 59–81 Cal.
diegensis Blake 42–60 Cal.
monorhabdus Blake 42–61 Cal.
tuberculatus Blake 42–62 Cal.
melanolomatus Blake 42–63 Cal.
nebrodes Blake 42–64 Tex.
varicornis (Lec.) 68–57 Tex.–Ariz.
crucigera Schffr. 06–249 [12]
marginalis Fall 10–149 [12]
brunneus (Cr.) 73–44 N.C.–Ga.–Tex.–[Kan.
varicornis Horn 93–111 (part)[12]
davisi Leng 11–193 [12]
rugipennis Blake 42–68 L.Cal.
pallidulus Blake 42–68 Tex.
elachistus Blake 42–69 N.M.
popenoei Blake 42–70 Kan.
chiricahuensis Blake 42–71 Ariz.
convexus Blake 42–71 Ill.–Iowa–Okla.
ocularis Blake 42–72 Ariz.
punctatissimus Blake 42–73 Ariz.
vandykei Blake 42–73 Cal.
adenostomata White 42–31 Cal.

SERRATICOLLINI [2]

Serraticollis White 42–17
* rhois White 42–18 Cal.
parkeri White 42–20 Ariz.

* * *

Galeruca [13]
* externa Say 24–458 Can.–Kan.
pomonæ Knab 05–230 [13]
(not Scopoli, 1763)
browni Blake 45–60 Man.–Alb.–Iowa
popenoei Blake 45–61 Tex. N.M.
costatissima Blake 45–62 Colo.–Utah–Ariz.
rudis Lec. 57–69 Mont.–N.M.–Cal.–B.C.

Cerotoma Chev. 37–403 (not 43–342)[14]
trifurcata (Forst.) 71–29
caminia (Fab.) 01–459 [14]

Andrector
(*Cerotoma* of authors, in part)[14]
ruficornis (Oliv.) 91–200 Fla. Tex. W.I.
denticornis (Fab.) 92–24 [14]
sexpunctatus Horn 72–152 [14]
atrofasciatus (Jacoby) 79–792 Ariz. C.A.
ruficornis of authors, not Oliv.[14]

Distigmoptera Blake 43–209 [15]
pilosa (Ill.) 07–105 [16] Que.–Fla.–Tex.
mesochorea Blake 43–212 Mich.–Kan.
apicalis Blake 43–214 Mass.–Ga.–Tex.
texana Blake 43–215 Tex.
schwarzi Blake 43–215 D.C.
impennata Blake 43–216 Me.
borealis Blake 43–217 N.B.–Okla.–Sask.
falli Blake 43–218 Ariz.

[5] Should be credited to Agassiz 46–160.
[6] Brown—42; key to species.
[7] Sheppard—46.
[8] Blake—39; key to species.
[9] Distinct species, Blake—39.
[10] Barber—47.
[11] Key to genus, White—44.
[12] Blake—42; key to species.
[13] Blake—45; key to species.
[14] Barber—45.
[15] Blake—43; key to species.
[16] Transferred from Hypolampsis by Blake—43.

Disonycha
maritima Mannh. Ore.[17]

Orestioides
robusta Lec. Ore.[17]

Altica
potentillæ Brown 46–51 Que. Ont.
ribis Brown 46–53 Ont.

Hippuriphila
mancula Lec. 61–358
modeeri of authors, in part [18]
canadensis Brown 42–176 Que.–Sask.
modeeri of authors, in part [18]
equiseti B. & H. Ore.[17]

Epitrix
tuberis Gentner 44–137 Neb. Colo. [Ore. Wash.
similaris Gentner 44–142 Cal.
parvula Fab. Ore.[17]

Chætocnema
opulenta Horn Ore.[17]
confinis Cr. Ore.[17]

Longitarsus
waterhousei Kutch. Ore.[19]

Glyptina
atriventris Horn Ore.[17]

Phyllotreta
columbianus Chitt. Ore.[17]
inconspicua Chitt. Ore.[17]

Anisostena
perspicua Horn Ore.[17]

Brachycoryna
horni Weise Ore.[17]
mitchelli White 39–55 Cal.

Psylliodes
cucullata Ill. 07–172 N.B.[20] Eur.

Uroplata
uniformis (Smith) 85–94 [21] Ariz.

Microrhopala Chev. 37–365 [22]

Paroreetis Spæth 01–346
(*Orectis* Spæth 01–346)[23]
(not Lederer, 1857)
sublævis (Barber) 46–102 Tex.
callosa (Boh.) 54–471 S.C. Fla. Tex.

Deloyala Chev. 37–371
(*Chirida* Chap. 75–406)[24]

Hemisphærota Chev. 37–367
(*Porphyraspis* Hope 40–154)[24]

[17] Fender—45.
[18] Brown—42.
[19] Malkin—43.
[20] Brown—46.
[21] Transferred from Microrhopalus by McCauley—39.
[22] Erroneously credited to Dejean by McCauley —38. (See Barber & Bridwell—40.)
[23] Barber—47.
[24] Barber & Bridwell—40.
[25] Bridwell—46; generic revision.
[26] Bridwell—46, uses Bruchidæ, Bruchinæ, and Bruchus.
[27] Bradley—47.

MYLABRIDÆ [25 26]

Pachymerinæ [25]

Caryobruchus [25]
gleditsiæ (L.)

Amblycerinæ [25]

Amblycerus [25]

Zabrotes [25]

Mylabrinæ [25 26]

Mylabris Geoff.[27 28]
(*Bruchus* L.)[26]
knulli White 41–189 Ariz.

Megacerus Fåhræus 39–? [25 27]
(*Pachybruchus* Pic 12–92)[27]
coryphæ (Oliv.)
discoideus (Say)
impiger (Horn)
schæfferianus Bridw.
crenatus || Schffr. [27]
arenarius Wolc.[27]

Callosobruchus Pic 02–6 [25]
chinensis (L.)
maculatus (F.) 75–65
quadrimaculatus (Fab.) 92–371
barbicornis (Fab.) 01–403
bistriatus (Fab.) 01–402
chinensis (Thunb.) 16–46 (not L.)
longicornis (Thunb.) 16–47
litteratus Schönh. 33–102

Stylantheus Bridw. 46–54
macrocerus (Horn)

Gibbobruchus [25 27]
mimus (Say)

Meibomeus Bridw. 46–54
musculus (Say)

Merobruchus Bridw. 46–54
julianus (Horn)
major (Fall)[27]

Acanthoscelides Schilsky 05–c [25]
pectoralis (Horn)
floridæ (Horn)
innotatus (Pic)
obsoletus (Say)
longistilis (Horn)
alboscutellatus (Horn)

[28] Bradley (47–33) lists two species of Mylabris that have "escaped record in the supplements to Leng's Catalogue. . . ." He admits, however, that "both of the species are accidental importations of adults that would be unable to establish their progeny in dried lentils, and therefore are under no likelihood of becoming established." This argument explains fully why these species (M.signaticornis Gyll. and M. lentis Froel.) should not be in the catalog. However, M. lentis was listed on page 306 of the Catalogue as no. 16244½, a fact which apparently escaped Mr. Bradley.

tenuis Bott.[30]
obtectus (Say)
perforatus (Horn)
calvus (Horn)
fraterculus (Horn)

Mimosestes Bridw. 46–54
sallæi Shp.

Algarobius Bridw. 46–54
prosopis Lec.
uniformis Lec.
desertorum Lec.

Neltumius Bridw. 46–54
arizonensis (Schffr.)
gibbothorax (Schffr.)[27]
texanus (Schffr.)[27]

Stator Bridw. 46–55
pruininus (Horn)[31]

Cereidiestes Bridw. 46–55
ulkei (Horn)

Althæus Bridw. 46–55
hibisci (Oliv.)

Sennius Bridw. 46–55
bivulneratus (Horn)[27]
cruentatus (Horn)
nigrinus (Horn)[27]

Sparteus Bridw. 46–55 [29]
fasciatus (Oliv.) 95–20 Mass.[27]
cisti Payk.[27]
villosus (Fab.)[25]

Abutiloneus Bridw. 46–55
idoneus Bridw. 46–55
flavicornis Shp. (not Fab.)
seminulum (Horn)
atomus (Fall)

Kytorhininæ [25]

Kytorhinus Fisch.[25]
prolixus (Fall)

BRENTIDÆ

Arrhenodes Schönh. 26–70
(*Eupsalis* of No. American authors)[32]

Paratrachelizus Kleine 21–32
(*Trachelizus* of No. American authors)[32]

ANTHRIBIDÆ [33] [34]

(*Platystomidæ*)[33]

Ormiscus Waterh. 45–37
(*Toxotropis* Lec. 76–397)[32]
(*Gonops* Lec. 76–398)[35]

Piesocorynus Dej. 37–257
(*Piezocorynus* Schönh. 39–250)[32]

Neanthribus Jordan 06–341
(*Pseudanthribus* Pierce 30–24)[32]
(*Anthribus* of authors, not Geoff.)[32]
(*Neanthribius* Leng & Mutch. 14–481)[35]

Euxenus
ater Blatch. 28–238 [36] Fla.

CURCULIONIDÆ

Attelabus
foveipennis Suffr. 70–228 [37] Ill.

Pseudoeneorhinus
bifasciatus Rœlofs 79–xxiv
setosus of Amer. authors [32]

Cyrtepistomus Marshall 13–186
(*Myllocerus* of authors, not [Schönh.)[32]
(*Corigetus* of authors, not Desbr.)[32]
castaneus Rœlofs 73–168 N.Y. N.C. Japan [32]

Phyxelis Schönh. 43–122 [38]

OPHRYASTINI [39]

Sapotes Csy. 88–241 [39]
* puncticollis Csy. 88–241 Tex.–Ariz.
longipilis VanD. 34–175 Ariz.

Eupagoderes Horn 76–32 [39]
I
* desertus Horn 76–34 Ariz. Cal.
giganteus Chitt. 26–169 [39]
californicus Ting 39–81 Ariz. Cal.
geminatus Horn 76–35 Nev. Cal.
griseus A.C.Davis 47–498 Cal.
æneus A.C.Davis 47–498 Utah
mortivallis Fall 10–192 Cal.
v.approximatus A.C.Davis 47–502 Cal.
II
robustus A.C.Davis 47–503 Ariz. Cal.
III
decipiens Lec. 53–445 Tex.–Ariz. Mex.
v.dunnianus Csy. 88–240 [39] Tex.

[29] Cited as a subgenus of Bruchidius by Bradley—47, and also as a synonym of Spermophagus.
[30] Bradley's remarks on the listing of this species in the Fourth Supplement fail to give consideration to the status assigned to the generic names in the original Catalogue.
[31] The proposed transfer of this species to Bruchidius by Herford in foreign literature was overlooked in the Fourth Supplement, but its acceptance would have been prevented by the status assigned to Bruchidius. The oversight was not the cause of the omission, as implied by Bradley—47.
[32] Buchanan in litt.
[33] This arrangement preferred by most recent writers.
[34] Key to subfamilies and some genera on larval characters, Anderson—47.
[35] Blackwelder—47.
[36] Transferred from Collabismodes by Buchanan in litt.
[37] Voss, in Junk Catalog (pars 110), places this in Apoderus, a genus which does not occur in the New World; Buchanan in litt.
[38] Transferred from Eremninæ to Leptopinæ by Marshall—44.
[39] A. C. Davis—47; revision.

pilosus A.C.Davis 47–507 Colo.
varius Lec. 53–444 Utah Nev. Ariz. Cal.
v.plumbeus Horn 76–35 [39] Cal.
aridus Fall 10–192 Ariz. Cal.
IV
speciosus (Lec.) 53–444 Tex. Mex.
nivosus Fall 10–190 Ariz.
marmoratus Fall 10–191 Ariz.
sordidus Lec. 53–445 Kan.–Tex.–Ariz.
simulans VanD. 34–176 Tex.
argentatus Lec. 53–444 Utah Nev. Ariz. [Cal.
V
lucanus Horn 76–34 L.Cal.

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setosus VanD. 34–179 Ariz.
huachucæ VanD. 34–180 Ariz.
halli VanD. 34–181 Ariz.
cretaceus Shp. 91–96 [40] Ariz. Mex.
utahensis Tann. 39–31 [40] Utah
hardyi Tann. 39–31 [40] Utah

Amydrogmus Pierce 13–374 [39]
* variabilis Pierce 13–374 Tex.

Ophryastes Schönh. 33–508 [39]
* wickhami Shp. 01–88 N.M.–Cal.
shufeldti Csy. 88–238 N.M.
ocellatus (VanD.) 34–177 Colo. N.M. [Utah
latirostris Lec. 53–443 Colo.–Ore.–Mex.
validus Lec. 54–225 [40]
symmetricus Fall 07–260 N.M. Ariz.
sulcipennis Csy. 88–239 N.M.
sulcirostris (Say) 24–316 Mont.–Tex.–
ligatus Lec. 53–443 [39] [N.M.
porosus Lec. 54–225 Alb.–Mex.
collaris Champ. 11–319 Tex. Mex.
tuberosus Lec. 53–443 Alb.–Tex.–Ariz.
ovipennis Shp. 91–90 Tex. Mex.
bituberosus of Pierce 09–344 [39]
vittatus (Say) 24–316 Kan.–Tex.–Nev.

Tosastes Shp. 91–91 [39]
* globularis Pierce 09–344 N.M.
ovalis Pierce 09–345 Tex. Ariz.
cinerascens Pierce 13–376 Wash.

Rhigopsis Lec. 74–459 [39]
* effracta Lec. 74–459 Cal.
simplex Horn 94–442 L.Cal.

* * *

Cimbocera Horn 76–55 [41]
* buchanani Ting 40–134 Colo.–Tex.–Ariz.–Utah
pauper Horn 76–56 Alb.–Wyo.
conspersa Fall 07–261 Colo.–Ariz.
sericea Pierce 13–379 [41]
albovestita VanD. 34–190 [41]

* * *

petersoni Tann. 41–29 Utah

Paracimbocera VanD. 38–1 [41]
* atra VanD. 38–2 Nev.
artemisiæ Ting 40–139 Wyo. Colo. Nev. [Ida.

[32] Buchanan in litt.
[39] A. C. Davis—47; revision.
[40] Buchanan—47.
[41] Ting—40; revision.
[42] Transferred from Cimbocera by Ting—40.
[43] Distinct species, Buchanan in litt.

robusta (VanD.) 35–2 [42] Cal.

Miloderoides VanD. 36–74 [41]
* maculatus VanD. 36–76 Ida.
cinerea (VanD.) 35–1 [42] Colo.
argenteus VanD. 35–4 [41]

* * *

vandykei Tann. 42–23 Utah

Cryptolepidus VanD. 36–191 [41]
* (*Lepidopus* VanD. 36–76)[41]
nevadicus VanD. 36–77 Nev.
planifrons Ting 40–146 Nev.
leechi Ting 40–147 Cal.
cazieri (VanD.) 36–73 [42] Ariz. Cal.
rugicollis Ting 40–149 Nev.

Calomycterus
setarius Roelofs 73–175 Mass.–D.C.–Iowa [32]

Minyomerus
microps (Say) 31–9 [32] Mo.

Pandeleteius
viridissimus VanD. 43–108 Ariz.

Eriecydeus Pasc. 80–442
(*Cyphus* Germ. 24–427)[32]

Lachnopus
floridanus Horn 76–101 [43] Fla.

Apotomoderes Dej. 34–235
(*Apotomoderus* Chevr. 78–liv)[47]
albicans Lac. 63–pl. 62 Cal.[47]

Graphognathus Buch. 39–11 [44]
* peregrinus (Buch.) 39–14 Ala. Miss.
minor (Buch.) 42–107 Fla.
leucoloma (Boh.) 40–62 (not No. Amer.)[40]
r.[45] pilosus (Buch.) 42–107 Ala.
r.striatus (Buch.) 42–108 S.C.–La.
r.dubius (Buch.) 42–109 N.C.–Fla.–[Miss.
r.fecundus Buch. 47–21 Fla. Ala.
r.imitator Buch. 47–21 N.C.

Naupactus (not No. Amer., see Grapho-[gnathus)[40]

Barypeithes J. du V. 55–13
(*Barypithes* VanD. 47–96, and 36–[82)
pellucidus (Boh.) 34–507 Cal.[46]
pallucida VanD. 47–96

Myllocerus
hilleri Faust 89–222 Conn. Pa. D.C. Japan [47]

Cercopeus
artemisiæ Pierce 10–365 [48] Ida. Mont.
parvulus (VanD.) 36–78 [48a]

Chætechus
asperatus (Boh.) 44–116 Mass.
setiger Horn 76–78 [47]

Aphrastus Say 31–9
(*Micronychus* Prov. 77–508)[49]
tæniatus Say 31–9
sulcatus (Prov.)[49]

[44] Distinct genus, Buchanan—47.
[45] Race.
[46] Van Dyke—47.
[47] Buchanan in litt.
[48] Does not belong here; Ting—40.
[48a] Ting in litt.
[49] Brown in litt.

Phyllobius
oblongus (L.) N.B.[50] N.Y.[51] Europe

Liophlœus Germ. 17–341
tessulatus Müller 76–87 N.Y.[52]
nubilus Fab. 76–228 [53]

Hypera
punctata (Fab.) Cal.[54]

Listronotus [55]
ingens Henderson 40–243 Ind.–Tex.
squamiger (Say) 31–11 Mass.–N.C.–Cal.–
inæqualipennis (Boh.) 40–189 [B.C.
sordidus (Gyll.) 34–280 Que.–La.–Colo.
distinguendus (Gyll.) 34–281 [55]
obliquus Lec. 76–129 [55]
manifestus Henderson 40–269 Tex.
rotundicollis Lec. 76–132 Pa.–Tex.
cribricollis Lec. 76–134 [55]
distinctus Henderson 40–274 Tex.
blatchleyi Henderson 40–279 Fla.
callosus Blatch. 28–241, not Lec.[55]
blandus Henderson 40–282 Ga.–Fla.–La.
oregonensis Lec. 60–55 Que.–Miss.–Ore.
rudipennis Blatch. 16–162 [55]
impressifrons Lec. 76–134 [55]
latiusculus Lec. 76–133 (not Boh.)[55]
s.tessellatus Csy. 95–828 [55] Alb.–Colo.
nebulosus Lec. 76–133
sulcirostris Lec. 76–132 [55]
similis Henderson 40–304 Tex.
appendiculatus (Boh.) 42–192 Me.–Tex.–
floridensis Blatch. 16–160 [55] [B.C.
impressus VanD. 29–106 [55]
leucozonatus Chitt. 26–341 [55]
insignis Henderson 40–313 Fla.

Dorytomus
rubidus Tanner 39–32 Utah

Grypus Germ. 17–340
(*Grypidius* Schönh. 26–231)[47]

SMICRONYCHINI [57]

Smicronyx
utilis Buch. 41–29 Sask.
commixtus Dietz 94–160
caseyi Blatch. 16–10 [56]
vestitus Lec. 76–172
connivens Csy. 92–389 [56]
spurcus Csy. 92–393 [56]
SYNERTHA Dietz 94–172 [58]
cuscutifloræ Pierce 39–48 Cal.
PACHYPHANES Dietz 94–115 [58]
celænus Pierce 39–50 Cal.
elsegundinis Pierce 39–52 Cal.

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Anchodemus
lutulentus (Boh.) 43–165 Pa.[59]

Hydronomi [60]

Bagous [61]
lengi Tanner 43–13 Ind. Iowa
blatchleyi Tanner 43–14 Fla.
mamillatus Say 31–28
mammillatus Leng 20–320
longirostrus Tanner 43–18 N.Y. Mich.
texanus Tanner 43–20 Fla. Tex.
chandleri Tanner 43–26 Mont. Utah
tingi Tanner 43–27 Cal.
floridanus Tanner 43–30 Fla.

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Pnigodes [61]
buchanani Tanner 43–33 La.
tuberosus Tanner 43–35 Iowa

Schizomicrus Csy. 05–164 [62]

Neotylopterus Hust. 39–60
(*Tylopterus* Lec. 76–215)[59]

Tychius
griseus Schffr. 08–217 [63] Me.–N.Y.
picirostris Fab. 87–101 Wash. B.C.[63a]

Anthonomus
nubiloides Fall 28–239 Me. Mass.[59]
rutilus (Boh.) 43–165 [59]

Odontopus Say 31–15
(*Prionomerus* Schönh. 36–359)[64]

Nanophyes
canadensis Brown 44–10 Man. Alta.

Corimalia Gozis
pallidulus (Grav.) 85–129 [65] U.S. Europe

Sternechus [66]

Cosmobaris
americana Csy. 20–344
scolopacea of authors, not Germ.[59]
squamiger Hayes 36–27 [59]
sionilli Hayes 36–28 [59]

Glyptobaris
lecontei Champ. 09–404
rugicollis (Lec.) 76–297 [59]

Acentrinops
brevicollis Csy. 20–457
centrinoides (Green) 20–200 [67]

Lechriops Schönh. 26–306
(*Gelus* Csy. 97–667)[59]

Peltophorus Schönh. 45–451
* (*Zygops* of Amer. authors)[59]
polymitis Boh. 45–482
v.seminiveus Lec. 84–31 [59]
v.suffusus Csy. 92–495 [59]
adustus Fall 06–61

[50] Gorham—43.
[51] Felt—28; Carruth—36.
[52] Felt—18; Felt—20.
[53] Junk Catalog.
[54] Smith & Michelbacher—45.
[55] Henderson—40; key to species.
[56] Buchanan—40.
[57] Pierce—39; key to genera.
[58] Pierce—39; key to species.
[59] Buchanan in litt.
[60] Tanner—43; key to genera.
[61] Tanner—43; key to species.
[62] Belongs in Raymondionyminæ, Tanner—43.
[63] Distinct species, Venables—43.
[63a] Venables—43.
[64] Buchanan in litt.
[65] Transferred from Nanophyes by Brown—44.
[66] Placed in Hylobiinæ in Junk Catalog.
[67] Green in litt.

Cylindrocopturus
furnissi Buch. 40–178 Cal.–Wash.
deleoni Buch. 40–179 Wyo. Mont. Ida.
eatoni Buch. 40–181 Cal.

Acoptus
(*Homogaster* Prov. 77–530)[68]
suturalis Lec. 76–264
quebecensis (Prov.) 77–530 [68]

Acanthoscelidius
(*Acantharthrus* Marshall 39–583)[59]

Ceutorhynchus
hearnei Brown 40–186 Man.
munki Brown 40–187 Man.
assimilis Payk. 00–257 Cal. Wash. Eur.[69]

Rhinoncus
castor (Fab.) 92–408 N.S.–Ont.–Va.[70]

Conotrachelus Dej. 35–296
(*Cyphorrhynchus* Schönh. 37–458)[71]
(*Glycaria* Pascoe 80–181)[71]
(*Edesius* Pascoe 81–305)[71]
(*Loceptes* Csy. 10–130)[71]
buchanani Schoof 42–51 N.J.–D.C.–Iowa–[Tex.
iowensis Schoof 42–57 Ill. Iowa
hicoriæ Schoof 42–69 N.J.–Fla.–Tex.–Kan.
hayesi Schoof 42–85 Ill. Iowa La.
tibialis Schoof 42–91 Mass.–Miss.–La.–
naso Lec. 76–231 [Kan.
cinereus VanD. 30–158 [71]
recessus Csy. 10–130
atokanus Fall 13–65 [71]
cribricollis (Say) 31–28
puncticollis Walsh. 64–310 [71]
anaglypticus (Say) 31–18 Ont.–Fla.–Tex.
rubiginosus Boh. 45–28
leucophæatus Fåhr. 37–417
demens Boh. 37–31 [71]
carolinensis Schoof 42–137 Mass.–Fla.–[Ariz.
pecanæ Buch. 47–50 La. Tex.

Faustinus Berg 98–18
(*Euxenus* Faust 96–47, not Lec.)[32]
(*Collabismodes* Champ. 05–541)[32]
(*Euxenodes* Bovie 07–67)[32]

Acamptus
echinus Csy. 92–445 (not 95–837)[59] N.Y. (not Ariz.[59])

Dryotribus Horn 73–433
(*Thalattodora* Perk. 00–146)[72]
mimeticus Horn 73–433 Fla. W.I. Pac.Is.[72]
insignis Perk. 00–146 [72]

Macraneylus Lec. 76–338
(*Haloxenus* Perk. 00–148)[72]
linearis Lec. 76–339 Fla. W.I. Hawaii [72]
immigrans Perk. 00–148 [72]

Pselactus Broun 86–972
* spadix (Hbst.) 95–256 [72a] N.Y. N.J. Eur.

Phlœophagus
minor Horn 73–443
carinatus Blatch. 16–545 [73]
apionides Horn 73–443
apionoides Csiki 36–143

Cossoninæ

Rhyncolus [75]
(*Xylocomesus* Thatch. 40–89)[74]
cercocarpus Thatch. 40–90 [74] Nev.
knowltoni Thatch. 40–90 [74] Utah
brunneus Mannh. 43–295 N.Y.–N.M.–
relictus Csy. 92–705 [73] [Alas.
californicus Woll. 73–645 [73]
macrops Buch. 46–130 N.S.–N.Y.–Ore.–[B.C.
cylindricollis Woll. 73–645 Utah–Cal.–B.C.
discors Csy. 92–707 Fla.–La. Mich.
oregonensis Horn 73–445 N.C.–Mich.–[Ariz.–Ore.
nimius Csy. 92–706 N.M.
protensus Woll. 73–647 Cal.

* * *

Calendra Clairv. 98–62
(*Calandra* Clairv. 98–pl. 2) [59]
(*Sphenophorus* Schönh. 26–327)[59]
eugenia Satt. 43–52 Ore.

Sitophilus Schönh. 38–967
(*Calandra* of foreign authors)[59]
(*Calendra* of American authors)[59]

PLATYPODIDÆ

Platypus
wilsoni Swaine 16–97 (not 15–48)[76]

SCOLYTIDÆ

Xylocomesus Thatcher 40–89 [77]

Pagiocerus
frontalis Fab. 01–389 N.C. Fla. Cuba
rimosus Eich. 68–148 [78]

Renocis Csy. 86–257 [79]
* (*Pseudocryphalus* Swaine 17–20)[79]
parkinsoniæ Blackm. 40–378 Ariz.
maclayi (Bruck) 36–35 Cal.
pruinosus Blackm. 40–383 Ariz. Cal.
fasciatus Blackm. 40–385 Ariz.
heterodoxus Csy. 86–257 Utah Nev. Ore.
brunneus Blackm. 40–389 N.M.
fuscus Blackm. 40–391 Ariz.
commixtus Blackm. 40–392 Colo. Ariz.
brittaini (Swaine) 17–20 B.C.

[32] Buchanan in litt.
[59] Buchanan in litt.
[68] Brown in litt.
[69] Hagen—46.
[70] Brown in litt. & Buchanan in litt.
[71] Schoof—42.
[72a] Csiki—36 and Buchanan in litt.
[72] Zimmerman—40.
[73] Buchanan—46.
[74] Buchanan—42; transferred from Scolytidæ.
[75] Buchanan—46; key to species of group I.
[76] W. J. Chamberlin in litt.
[77] Transferred to Curculionidæ—Cossoninæ, Buchanan—42.
[78] Eggers—28.
[79] Blackman—40; revision and key.

criddlei (Swaine) 17–21 Man.
penicillatus Bruck 33–239 Colo. Ut. Ariz. Cal.

Phlœosinus Chapuis 69–37 [80]
* pini Swaine 15–362 Man.
piceæ Swaine 34–205 Que.
alaskanus Blackm. 42–409 Alaska
hoppingi Swaine 15–364 Cal.
hoferi Blackm. 42–412 Wyo.–Tex.–Ariz.
keeni Blackm. 42–414 Wash.
antennatus Swaine 24–146 Cal.
spinosus Blackm. 42–417 N.M. Ariz.
swainei Bruck 33–56 Cal.
minutus || Swaine 17–9 [80]
granulatus Bruck 36–33 Cal.
frontalis Bruck 33–55 Cal.
setosus Bruck 33–65 Cal.
arizonicus Blackm. 42–424 Ariz.
vandykei Swaine 15–366 Cal.
russus Swaine 24–148 [80]
fulgens Swaine 24–147 Cal.
splendens Blackm. 42–428 Ore.
punctatus Lec. 76–381 Cal.–Wash
rubicundulus Swaine 24–144 Cal.
buckhorni Blackm. 42–432 Ore.
kaniksu Blackm. 42–434 Ida. Wash.
rusti Blackm. 42–435 Wash.
variolatus Bruck 31–126 Cal.
nitidus Swaine 24–145 Ore.
cupressi Hopk. 03–35 Cal.
cristatus Lec. 68–169 Ariz. Cal.
chiricahua Blackm. 42–444 Ariz. Mex.
sequoiæ Hopk. 03–33 Cal. Ore.
squamosus Blackm. 42–448 Wash.
taxodii Blackm. 22–61 Miss.
dentatus (Say) 25–258 N.H.–Ga.–Tex.–[Neb.
graniger (Eich.) 68–147 [80]
haagii (Eich.) 68–148 [80]
enixus Blackm. 21–56 [80]
juniperi Swaine 17–10 Cal.–Wash.
serratus (Lec.) 68–170 N.Y.
utahensis Swaine 15–363 Utah N.M. Ariz.
aciculatus Bruck 31–127 Tex.–Ariz.
neomexicanus Blackm. 42–460 Colo.–Ariz.
texanus Blackm. 42–462 Tex.
canadensis Swaine 17–8 Que. e.U.S.
scopulorum Swaine 24–148 Ore.–B.C.
rugosus Swaine 17–9 Cal.
furnissi Blackm. 42–469 Wyo.–N.M.–Ariz.
chamberlini Blackm. 42–470 Cal. Ore.

Carphobius Blackm. 43–398
arizonicus Blackm. 43–398 Ariz.

Leperisinus
hoferi Blackm. 43–394 N.M. Ariz.
oregonus Blackm. 43–396 Ore.

Pseudohylesinus Swaine 17–11 [80]
* nebulosus (Lec.) 59–285 Colo.–N.M.–[Cal.–B.C.
serratus Bruck 36–37 Cal.
pullatus Blackm. 42–9 Wash.
dispar Blackm. 42–11 Cal.–Wash.–Mont.
maculosus Blackm. 42–12 N.M. Ariz. Utah
granulatus (Lec.) 68–175 Cal.–B.C.–·Mont.

tsugæ Swaine 17–11 Cal.–B.C.
?obesus Swaine 17–15 B.C.
keeni Blackm. 42–17 Ore.
similis Blackm. 42–18 Ore. Wash.
nobilis Swaine 17–12 Ore. Wash.
furnissi Blackm. 42–21 Ore. Wash.
grandis Swaine 17–13 Cal.–Alas. Mont.
sitchensis Swaine 17–12 Cal.–B.C.
sericeus (Mannh.) 43–296 Cal.–B.C.

Hylastes Er. 36–47
(*Tomicus* Latr. 02–203)[81]
(*Hylurgus* Latr. 07–274)[81]
pusillus Blackm. 41–23 Fla.
parvus Blackm. 41–24 N.M. Ariz.
minutus Blackm. 41–25 Mont. Nev. Cal. [Ore.
subopacus Blackm. 41–9 Colo. N.M. [Utah
webbi Blackm. 41–10 S.D. Mont.
porculus Er. 36–49
swainei Eggers 34–25 [81]
canadensis Blackm. 41–15 Man.
fulgidus Blackm. 41–18 N.M. Ariz.
nigrinus Lec.[82] Cal.

Pseudothysanoes Blackm. 20–46
(*Peudothysantes* G.N.Wolcott 36–[318)
(*Pseudothysantes* G.N.Wolcott 36–[595)
huachucæ Blackm. 43–355 Ariz.

Micracinæ[83]

Hylocurus Eich. 71–133
biconcavus Blackm. 43–344 Ky.
flaglerensis Blackm. 43–345 Fla.
crinitus Blackm. 43–347 Cal.

Micracis
knulli Blackm. 43–348 Ariz.

Micracisella
subnitida Blackm. 43–350 Ariz.

Thysanoes [84]
texanus Blackm. 43–352 Tex.
vachelliæ Blackm. 43–354 Tex.

* * *

Stenoclyptus Blackm. 43–356
rhois Blackm. 43–357 Cal.
ceanothi Blackm. 43–358 Cal.

Cryptocleptes [84]
acaciæ Blackm. 43–362 Tex.

Hypocryphalus Hopk. 15–41
magniferæ (Stebb.) 14–542 Fla. Brazil [India [85]

Coccotrypes
dactyliperda (Fab.) Cal. L.Cal. Old [World [86]

Taehyderes Blackm. 43–35
floridensis Blackm. 43–36 Fla. Tex. Mex.

[80] Blackman—42; revision and key.
[81] Blackman—41.
[82] Linsley & Michener—43; (apparently Hylastes nigrinus Mannh.).
[83] Blackman—43; key to genera.
[84] Blackman—43; key to species.
[85] W. H. Anderson in litt.
[86] Linsley—43.

Ips
swainei R.Hopp. 39–169 B.C.

Xylosandrus Rttr. 13–32
zimmermanni (Hopk.) 15–68 [87] Fla.
germanus (Bldfd.)[88] [89] N.Y.–W.Va.–[Ohio Orient

Xyleehinus
montanus Blackm. 40–123 Mont.

Dryocœtes
granicollis (Lec.) 68–162 [add parentheses][76]

[76] W. J. Chamberlin in litt.
[87] Transferred from Anisandrus, W. H. Anderson in litt.
[88] W. D. Buchanan—40.
[89] As Xyleborus, Felt—32.

ADDITIONAL NECROLOGY

Beaulieu, Germain, b. 1870; d. June 1944.
Blackman, Maulsby Willett, b. March 26, 1876; d. October 12, 1943.
Blaisdell, Frank Ellsworth, Sr., b. March 13, 1862; d. July 6, 1946.
Blatchley, Willis Stanley, b. October 6, 1859; d. May 28, 1940.
Bock, George W., b. June 23, 1856; d. July 22, 1940.
Borchmann, F., d. 1943.
Brimley, Clement Samuel, b. December 18, 1863; d. July 23, 1946.
Chamberlain, K. F., b. 1893; d. December 4, 1947.
Cockerell, T. D. A., b. August 22, 1866; d. January 26, 1948.
Davis, Alonzo Clayton, b. March 4, 1901; d. January 4, 1942.
Davis, William T., b. October 12, 1862; d. January 22, 1945.
Dietz, Henry J., d. December 8, 1945.
Dury, Charles, b. November 14, 1847; d. July 20, 1931.
Eggers, H., b. 1872; d. July 6, 1947.
Englehardt, George P., b. November 23, 1871; d. May 24, 1942.
Falkenström, Gustaf, b. November 13, 1867; d. August 15, 1942.
Fall, Henry Clinton, b. December 25, 1862; d. November 14, 1939.
Gahan, Charles Joseph, b. 1862; d. January 21, 1939.
Garman, Harrison, b. December 27, 1856; d. August 7, 1944.
Gebien, H., b. October 4, 1874; October 9, 1947.
Germain, Frère, b. 1887; d. 1938.
Hanham, Abdiel William, b. 1857; d. January 18, 1944.
Heberdey, R. F., d. April 17, 1945.
Henshaw, Samuel, b. January 29, 1852; d. February 5, 1941.
Hoffman, William Albert, b. April 18, 1894; d. April 4, 1943.
Hopping, Ralph, b. April 8, 1868; d. October 29, 1941.
Horn, Walther, b. October 19, 1879; d. July 10, 1939.
Junk, W., d. December 1942.
Leng, Charles William, b. April 6, 1859; d. January 25, 1941.
Liebeck, Charles, b. October 26, 1863; d. February 24, 1947.
Löding, H. P., b. 1869; d. February 25, 1942.
Lutz, Frank E., b. September 15, 1879; d. November 27, 1943.
Mank, Edith W., b. September 20, 1892; d. July 17, 1945.
Nunenmacher, F. W., b. March 28, 1870; d. April 29, 1946.
d'Orchymont, Armand, d. February 9, 1947.
Schaeffer, Charles, b. July 12, 1860; d. August 29, 1934.
Schenkling, Sigmund, b. July 11, 1865; d. December 12, 1946.
Schott, Fred M., b. May 31, 1887; d. January 6, 1946.
Sherborn, Charles Davies, b. 1861; d. June 22, 1942.
Sherman, Franklin, b. November 2, 1877; d. June 23, 1947.
Slevin, Louis Stanislaus, b. November 7, 1879; d. November 9, 1945.
Upton, R. G., d. November 25, 1947.
Voris, Ralph, b. June 23, 1902; d. May 9, 1940.
Watson, J. R., b. August 1, 1874; d. June 6, 1946.
Webb, Jesse Lee, b. April 9, 1878; d. January 20, 1942.
Winters, Frederick Edward, b. March 17, 1885; d. July 17, 1946.

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Andison, H.
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Andrewes, H. E.
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Arnett, R. H., Jr.
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47. Syst.Nat., Silphidae <Dryden, N.Y., 44–50 .
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Arrow, G. J.
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Balduf, W. V.
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Balfour-Browne, J.
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Balfour-Browne, W. A. F.
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Balthasar, V.
41. . . . neue coproph. Scarabaeiden <Ent.Blatter,37,84–93.

Bänninger, M.
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00. Scarabéides de . . . Québec <Nat.Canad.,27,166–171,183–184.
01. Scarabéides de . . . Québec <Nat.Canad.,28,20–23,83–86,99–102.
03. Scarabéides de . . . Québec <Nat.Canad.,30,10–13,38–42,107–111, 125–128,177.
04. A propos de larves <Nat.Canad.,31,97–99.

Beaulieu, G. and **Chagnon, G.**
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Beaulne, J.-I.
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Cicindelides <Nat.Canad.,40,103–111,122–123.
Carabidae <Nat.Canad.,40,152–156,171–176, 177–180;41,28–31,40–48,55–62, 71–78,87–94.
15. Carabidae (cont.) <Nat.Canad.,41,108–111,120–127, 139–143,155–160,171–175,189–192; 42,13–15,29–31,45–47,59–63.
16. Carabidae (cont.) <Nat.Canad.,42,158–160,187–191; 43,10–15,22–26.
Amphizoidae <Nat.Canad.,43,78.
Haliplidae <Nat.Canad.,43,78–80,90–92.
Dytiscidae <Nat.Canad.,43,92–96.
17. Dytiscidae (cont.) <Nat.Canad.,43,105–111,138–141., 156–159,172–175;44,14–16.
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Staphylinidae <Nat.Canad.,46,165–167,181–185, 212–216,235–239,260–263,274–284; 47,66–71,89–95,117–120,138–142,.
21. Staphylinidae (cont.) <Nat.Canad.,47,279–284;48,21–24, 42–48,64–72,89–96,113–120, 141–144.
22. Ptiliidae <Nat.Canad.,48,165–167,188–191.
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Lathridiidae <Nat.Canad.,50,273–279; 51,65–66.
Ostomidae <Nat.Canad.,51,66–70.
Monotomidae <Nat.Canad.,51,70,92–94.
Derodontidae <Nat.Canad.,51,94–95.
Byrrhidae <Nat.Canad.,51,110–116,141–142.
Georyssidae <Nat.Canad.,51,143.
25. Psephenidae <Nat.Canad.,52,92–93.
Dryopidae <Nat.Canad.,52,93–94.
Helmidae <Nat.Canad.,52,94–96,113–114.
Heteroceridae <Nat.Canad.,52,114–116.
Dascyllidae <Nat.Canad.,52,116–119.
Helodidae <Nat.Canad.,52,119,141–143.
Rhipiceridae <Nat.Canad.,52,143–144.
26. Elateridae <Nat.Canad.,52,164–168,187–191; 53,21–24,46–48,68–71,91–95,.

27. Elateridae (cont.) <Nat.Canad.,53,202–214,258.
Melasidae <Nat.Canad.,53,258–263,271–279.
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Throscidae <Nat.Canad.,55,92–95.
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Beer, F. M.
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Beer, F. M. and **Hatch, M. H.**
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Bird, R. D.
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47. . . . Pseudocneorrhinus setosus . . . <Jl.N.Y.Ent.Soc.,55,274.

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43. Collecting Trox with feather bait traps <Ent.News,54,224–229.

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42. Ins . . . in bldgs. in B.C. <Pr.Ent.Soc.B.C.,39,23–29.
45. . . . Calendra aequalis on rush . . . <Pr.Ent.Soc.B.C.,42,23.

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39. Gr. beetles pred. on eggs of Aedes <Pr.Ent.Soc.Wash.,41,204–206.

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40. Fabr. types . . . at Glasgow, II. <Cambridge, 164 pp.

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46. New spp. of Scymnus <Ann.Ent.Soc.Amer.,39,80–81.
46. Tachyura barnesi n.sp. <Ohio Jl.Sci.,46,284.

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41. Sex.char . . . pred.of mt. pine beetle <Pan-Pac.Ent.,17,153–156.

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41. Gatt. Haemonia . . . aus Amerika <Mitt.Münch.E. Ges.,31,148–154.

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40. Dr. Henry Clinton Fall (1862–1939) <Great Basin Nat.,1,62.
40. Mex. bean beetle in Utah <Great Basin Nat.,1,91.
40. Biotic study of . . . (part of) Utah <Great Basin Nat.,1,97–126.
41. Stud. in weevils of w.U.S. IV. <Great Basin Nat.,2,29–32.
41. Willis Stanley Blatchley <Great Basin Nat.,2,33.
41. Coll. rec. for Utah <Great Basin Nat.,2,36.
41. A new Elaphrus <Great Basin Nat.,2,137–138.
42. Stud. in weevils of w.U.S. V. <Great Basin Nat.,3,23–26.
43. Study of subtr. Hydronomi <Great Basin Nat.,4,1–38.
43. . . . Epilachna . . . damage in Utah <Great Basin Nat.,4,61.
45. A n.sp. of Araeoschizus <Great Basin Nat.,6,125–126.
46. Frank Ellsworth Blaisdell, Sr. <Great Basin Nat.,7,17.

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40. New genus of Scolytidae . . . Utah,Nev. <Pr.Utah Ac.Sci.,17,89–93.

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44. (Pp. 115–117, see Tilden & Mansfield)
45. Notes on Redwood Cerambycids <Pan-Pac.Ent.,21,30–31.
46. Schizopus in Monterey, Cal. <Pan-Pac.Ent.,22,60.
47. (P. 34, see Tilden & Mansfield)

Tilden, J. W. and **Mansfield, G. S.**
44. Notes on 3 spp. of Coenonycha <Pan-Pac.Ent.,20,115–117.
47. Add. loc. Aulicus terrestris <Pan-Pac.Ent.,23,34.

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39. Two n.spp. of Acmaeodera <Pan-Pac.Ent.,15,179–182.
39. A new Hippodamia from Mt.Rainier <Pr.Haw.Ent.Soc.,10,265–266.
43. Coccinell. of Koebele colln.I. <Haw.Plant.Rec.,47,1,1–67.

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41. Note on Philonthus mequignoni <Ent.Mo.Mag.,77,58–59.
45. Notes on nomencl. of Staphyl. <Pr.Ent.Soc.Lond.,B,14,70–71.

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47. Cicindelid coll. in Texas <Coleop.Bull.,1,61–62.

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27. The secondary sexual char . . . <Pr.Pacif.Cst.Ent.Soc.,2,75–84 (not 1926)
39. Conoderus new to Calif. <Pan-Pac.Ent.,15,11.
39. New west Amer. Coleop. <Pan-Pac.Ent.,15,15–20.
40. Orig. & distr. of Col . . . of N.A. <Pr.6.Pac.Sci.Cong.,4,255–268.
42. Ins.L.Cal. 3: Buprestidae <Pr.Cal.Ac.Sci.,(4),24,97–132.
42. (Pp. 1–3, see Blaisdell & Van Dyke)
43. N.spp . . . . N.A. Carabidae <Pan-Pac.Ent.,19,17–30.
43. N.sp. of w.Amer. Coleop. <Pan-Pac.Ent.,19,41–52.
43. Add.n.spp. of w.Amer. Col. <Pan-Pac.Ent.,19,101–108.
44. Rev. . . Stenocantharis & Neocychrus <Ent.Amer.,24,1–19.
44. Rev. of N.A. . . . Carabus <Ent.Amer.,24,87–137.
44. N.spp. of N.A. Ostomidae <Pan-Pac.Ent.,20,147–153.
45. Two Col. estab. in S. Cal. <Pan-Pac.Ent.,21,10.
45. N.spp. of N.A. Coleop. <Pan-Pac.Ent.,21,101–109.
45. Staphylinid new to Calif. <Pan-Pac.Ent.,21,140.
46. N.sp. of N.A. Coleop. <Pan-Pac.Ent.,22,81–89.
47. Eur. weevil . . . S.F.Bay region <Pan-Pac.Ent.,23,96.
47. New spp. Coleoptera . . . <Pan-Pac.Ent.,23,155–161.

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43. Tychius picirostris in B.C. <Can.Ent.,75,118.

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40. 5 new melolonthoid beetles <Bull.S.Cal.Ac.Sci.,38,148–152.
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39. Immature . . . . Quedius <Ent.News,50,151–155,188–190.
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40. Death-feint of Trox unistriatus <Jl.N.Y.Ent.Soc.,48,303–304.
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47. Death-feints of Idiobates <Jl.N.Y.Ent.Soc.,55,275–279.

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40. A genus of Histerid new to U.S. <Jl.Wash.Ac.Sci.,30,516–519.
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43. Rev. of Pleuropompha <Psyche, 50,30–33.
43. Three n.spp. of Cebrio <Psyche,50,34–36.
44. New N.A. spp. of Epicauta <Psyche,50,65–73.
45. Rev. . . . Epicauta . . . N.A. <Bull.M.C.Z.,95,421–517.

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39. . . . beetles taken at Neb. light trap <Jl.Kans.Ent.Soc.,12,118–120.

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39. A new Anisostena from Calif. <Bull.Br.Ent.Soc.,34,55–56.
39. A new sp. of Acmaeodera <Pan-Pac.Ent.,15,69–75.
41. New Nodonota with key . . . <Bull.Br.Ent.Soc.,36,162–164.
41. New sp. of Bruchus <Pan-Pac.Ent.,17,189–190.
42. A n.sp. of Luperodes . . . <Bull.Br.Ent.Soc.,37,31–34.
42. N.g. Chrysomelidae . . . s.w.U.S. <Ent.News,53,16–21.
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45. Anat. of int. genit . . . . Coleop. <Pr.Ent.Soc.Wash.,47,73–91.

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41. Bionomics of Ataxia hubbardi <Ent.News,52,271–273.

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44. Sphaeridini inhab. boreal Amer. <Bull.Br.Ent.Soc.,39,94–95.

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43. Notes on N.A. Orthopleura <Pan-Pac.Ent.,19,134–138.
44. Allonyx Leconte, a homonym <Bull.Br.Ent.Soc.,39,47.
44. Amer. spp. of Trichodes <Pan-Pac.Ent.,20,54–60.
44. Gen.rev. of Phyllobaeninae <Jl.N.Y.Ent.Soc.,52,121–152.
47. Cat. of . . . . Cleridae <Fieldiana: Zool.,32,2,61–105.

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43. (Pp. 783–785, see Knowlton & Wood)
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46. (Pp. 382–383, see Knowlton, Maddock, & Wood)

Wray, D. L. and **Brimley, C. S.**
43. Ins. in pitcher plants in N.C. <Ann.Ent.Soc.Amer.,36,128–137.

Wright, J. F.
39. A new Loxandrus <Bull.Br.Ent.Soc.,34,257–258.

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41. Add. to list of Cincinnati Col. <Bull.Br.Ent.Soc.,36,69–73.

Young, F. N., Jr.
39. (Pp. 53–63, see Young and Goff)
40. New water beetle from Fla. <Ent.News,51,198–199.
40. Desc. of n. Dytiscid from Fla. <Florida Ent.,23,30.
41. Bidessus rogersi, new, from Fla. <Florida Ent.,24,29–31.
41. A correction (Bidessus falli) <Florida Ent.,24,31.
47. New sp. Gyretes <Florida Ent.,30,13–33.

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39. Arthropods in burrows of tortoise <Florida Ent.,22,53–63.

Zimmerman, E. C.
40. Dryotribus and Macrancylus not Amer. <Pan-Pac.Ent.,16,141–142.

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34. Monog. paläarkt. Dytisciden. V. <Kol.Rundschau,20,138–214.

FOURTH SUPPLEMENT TO CATALOGUE OF NORTH AMERICAN COLEOPTERA DESCRIBED AS FOSSILS

The few fossil beetles described as new in the years 1939 to 1947 inclusive are listed below, along with a few new localities. Four new abbreviations are used.

La Brea-Pleist.	Rancho La Brea, Los Angeles, Calif.
Kern-Pleist.	McKittrich, Kern Co., Calif.
Kern-Mioc.	Bakersfield, Kern Co., Calif.
Cuyama-Mioc.	San Luis Obispo Co., Calif.

CARABIDAE

Calosoma
semilaeve Lec. — La Brea-Pleist.[1 2]

Bembidion
everestae Pierce 44–11 — Kern-Mioc.
OCHTHEDROMUS Lec.
davidae Pierce 44–7 — Cuyama-Mioc.

Pterostichus
sp. — La Brea-Pleist.[1 2 3]

Amara
insignis Dej. — La Brea-Pleist.[1 2]

Platynus
funebris Lec. — La Brea-Pleist.[1 2]

DYTISCIDAE

Dytiscus
marginicollis Lec. — La Brea-Pleist.[1 2]

Cybister
explanatus Lec. — Kern-Pleist.[2 3]

Hydrous
triangularis (Say) — Kern-Pleist.[2 3]

HYDROPHILIDAE

Hydrophilus
sp. — Kern-Pleist.[2 3]

TENEBRIONIDAE

Nyctoporis Esch. 31–11
(*Nytoporus* Pierce 44–2)
carinata Lec. — La Brea-Pleist.[2 3]

Eulabis
?laticornis Csy. — La Brea-Pleist.[2 3]

Eleodes
omissa Lec. — La Brea-Pleist.[2 3]
grandicollis Mannh. — La Brea-Pleist.[1 2 3 4]
elongata Grinn.[2 4]
distans Blaisd. — La Brea-Pleist.[2 4]

[1] Essig–31 (after Grinnell–08).
[2] Pierce–44.
[3] Essig–31.
[4] Essig–31 (after Blaisdell–09).

acuticauda Lec.	La Brea-Pleist.[1 2 3]
laticollis Lec.	La Brea-Pleist.[1 2 3]
consobrina Lec.	La Brea-Pleist.[1 2]
parvicollis Esch.	La Brea-Pleist.[1 2 4]
behri Grinn.[2 4]	
intermedia Grinn.[2 4]	
intemedia Essig 31–5	
sp.	La Brea-Pleist.[3]
Coniontis	
robusta Horn	La Brea-Pleist.[1 2]
abdominalis Lec.	La Brea-Pleist.[1 2]
puncticollis Lec.	La Brea-Pleist.[1 2]
elliptica Csy.	La Brea-Pleist.[1 2]
sp.	La Brea-Pleist.[3]
Cratidus	
osculans Lec.	La Brea-Pleist.[2 3]

SCARABAEIDAE

Canthon	
simplex Lec.	
s.antiquus Pierce 47–120	La Brea-Pleist.
praticolus Lec.	
s.vetustus Pierce 47–122	La Brea-Pleist.
Palaeocopris Pierce 47–130	
labreae Pierce 47–130	La Brea-Pleist.
Onthophagus	
everestae Pierce 47–131	La Brea-Pleist.
Serica	
kanakoffi Pierce 47–132	La Brea-Pleist.

CERAMBYCIDAE

Protospondylis Linsley 42–19
florissantensis (Wickh.) 20–359 [5]
tertiarius (Wickh.) 17–469 [5]

Anelaphus
extinctum (Wickh.) 14–463 [6]

Anoplodera
JUDOLIA Muls.
antecurrens (Wickh.) 13–295 [7]

Pidonia
leidyi (Wickh.) 13–364 [7]
ingenua (Wickh.) 14–467 [7]

Grammoptera
nanella (Wickh.) 14–466 [7]

Leptura
wickhami Linsley 42–23 Flor. Mioc.

Semanotus
puncticollis (Wickh.) 14–264 [8]

Phymatodes
grandaevus (Wickh.) 17–469 [9]

[1] Essig–31 (after Grinnell–08).
[2] Pierce–44.
[3] Essig–31.
[4] Essig–31 (after Blaisdell–09).
[5] Transferred from Spondylis, Linsley–42.
[6] Transferred from Elaphidion, Linsley–42.
[7] Transferred from Leptura, Linsley–42.
[8] Generic name changed, Linsley–42.
[9] Transferred from Callidium, Linsley–42.

Cyllene
florissantensis (Wickh.) 14–464 [10]

Arhopalus
(*Criocephalus* Muls. 39–63) [8]
pavitus (Ckll.)

Psapharochrus Thoms. 65–544
(*Psapharochus* Linsley 42–37)
lengii (Wickh.) 14–265 [11]

[8] Generic name changed, Linsley–42.
[10] Transferred from Clytus, Linsley–42.
[11] Transferred from Acanthoderes, Linsley–42.

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44. Fossil arthropods of Calif. <Bull.S.Cal.Ac.Sci.,43,1–18.
47. Dung beetles of the tar pits <Bull.S.Cal.Ac.Sci.,45,119–131.
47. Desc . . . sericine . . . from tar pits <Bull.S.Cal.Ac.Sci.,45,131–132.

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